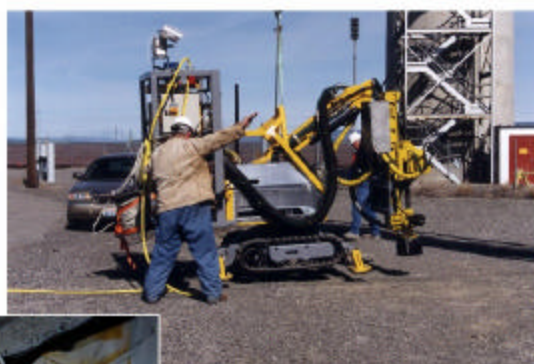
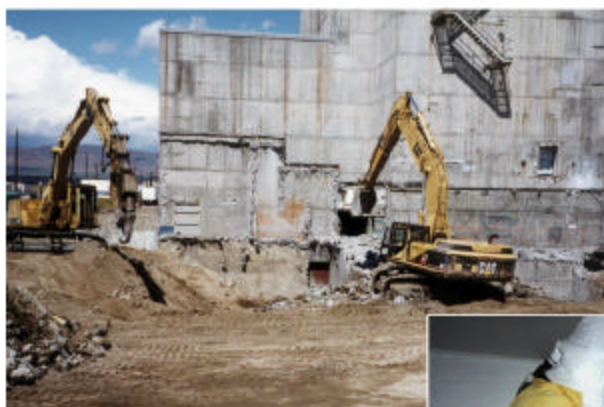


Richland Operations Office  
Environmental Restoration

# Environmental Management Performance Report

September 2000



***Focused on Progress...  
Focused on Outcomes!***



**Department of Energy**  
Richland Operations Office



**Bechtel Hanford, Inc.**  
Environmental Restoration Contractor

**ENVIRONMENTAL RESTORATION PERFORMANCE REPORT**  
**ENVIRONMENTAL RESTORATION**  
SEPTEMBER 2000

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# ENVIRONMENTAL RESTORATION PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

### SEPTEMBER 2000

#### INTRODUCTION

The monthly Environmental Restoration (ER) Environmental Management Performance Report consists of three sections: Section A - Executive Summary, Section B – Restoring the River Corridor Project Summaries, and Section C – Transitioning the Central Plateau Project Summaries. All cost, schedule, milestone commitments, performance measures, and safety data is current as of July 31. Accomplishments, Issues and Integration items are current as of August 24, unless otherwise noted.

**Section A – Executive Summary.** This section provides an executive level summary of Bechtel Hanford, Inc.'s (BHI) performance information for the current reporting month and is intended to bring to Management's attention that information considered to be most noteworthy. The Executive Summary begins with a description of notable accomplishments that are considered to have made the greatest contribution toward safe, timely, and cost-effective cleanup. Major commitments are summarized that encompass Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestones and FY00 Management Commitment milestones. Safety statistics are also included. Issues that require management and/or regulator attention and resolution status are addressed. Fiscal year-to-date ERC Project cost and schedule variance analysis is summarized. The Key Integration Activities section highlights site activities that cross contractor boundaries and demonstrates the shared value of working as a team to accomplish the work. The Executive Summary ends with a listing of major upcoming planned key events within a 90-day period.

**Section B – Restoring the River Corridor.** This section contains more detailed monthly activity information and performance status for the three projects within the 'Restoring the River Corridor' outcome. These three projects consist of the Remedial Action and Waste Disposal Project, Decommissioning Projects, and the Program Management and Support (PM&S) Project.

**Section C – Transitioning the Central Plateau.** This section contains more detailed monthly activity information and performance status for the two projects within the 'Transitioning the Central Plateau' outcome. These two projects consist of the Groundwater/Vadose Zone (GW/VZ) Integration Project and the Surveillance/Maintenance and Transition (SM&T) Projects.

Information in this report is identified with a green, yellow, or red text box used as an indicator of the overall status. Green indicates work or issue resolution is satisfactory and generally meets or exceeds requirements; yellow indicates that significant improvement is required; and red indicates unsatisfactory conditions requiring immediate corrective actions.

# **Section A: Executive Summary**

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**SEPTEMBER 2000**

## SECTION A – EXECUTIVE SUMMARY

**Financial / Performance Measures data as of month-end July.**  
**All other data as of August 24, 2000 (unless otherwise noted).**

### NOTABLE ACCOMPLISHMENTS:

#### **River Corridor:**

*In the 100 D Area, excavation was completed for both Group 2 waste sites (DR high-priority, near-river sites and north pipelines) and Group 3 waste sites (DR small sites near reactor and south pipelines) during July. Backfill operations are proceeding in the 100 D Area.*

*Excavation was also completed for the Group 4 waste sites (H, F, and K Area sites and pipelines) in the 100 H Area during July. Demobilization activities (removal of frisking tent, trailers, equipment, etc.) were initiated. Closeout verification package sampling activities are progressing.*

*Excavation of contaminated waste sites (except 618-4 Burial Ground) was also completed in the 300-FF-1 Operable Unit in the 300 Area during July. On August 15, bids were received for the 618-4 Burial Ground drummed uranium waste remediation, and are being reviewed.*

*Excavation of contaminated waste sites was initiated at the 100 F Area on July 10, twelve weeks ahead of schedule. This activity satisfies completion of the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) Milestone M-16-13A, "Initiate Remedial Action in the 100-FR-1 Operable Unit", due September 30.*

*Remedial action began at the 100 N Area on July 21 with the demolition of contaminated cover panels and excavation of material in the 116-N-3 trench. This action meets the requirements in the Hanford Site Resource Conservation and Recovery Act (RCRA) permit which mandated 100 N Area remediation to start by the end of July.*

*The Request for Proposal (RFP) for the 100 B/C Area pipeline remediation was issued on August 23.*

*Waste minimization efforts were realized at the 126-F-1 Ash Pit. Two off-the-shelf technologies (geo-probe and sodium iodide detector) were deployed to perform in situ characterization that resulted in 50% reduction in waste site volume. Preliminary cost savings is estimated at \$5M. The "wire-line retrieval" sampling system delivered by a cone penetrometer was deployed during the week of August 1. This Office of Science and Technology funded technology supported part of the closeout sampling for the ash pit.*

*The combined (Stage I and II) F Reactor Fuel Storage Basin (FSB) Sampling Analysis Plan (SAP) was approved by the U.S. Department of Energy (DOE), Richland Operations Office (RL) and the U.S. Environmental Protection Agency (EPA). EPA also approved the Removal Action Work Plan (RAWP), Rev. 3, for the F Reactor FSB. At DR Reactor, backfill of the gas tunnel was completed on the north side of the reactor. Demolition and loadout of the effluent pipe surrounding the DR Reactor FSB was initiated.*

*In July, biological cleanup was completed at H Reactor, and initiated at D Reactor. Using a gamma camera, radiological scoping surveys were also initiated at D Reactor. The surveys are scheduled for completion in September.*

*At the 233-S Plutonium Concentration Facility, fixative continued to be applied inside the process hood. Nondestructive assay was also completed for all material that was removed from the process hood. In the viewing room area, localized exhaust installation was completed.*

Green

**ENVIRONMENTAL RESTORATION PERFORMANCE REPORT**  
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**NOTABLE ACCOMPLISHMENTS continued:**

*The Environmental Restoration Contractor (ERC) Health and Safety group accomplished emergency sign reposting of the 100 Area B/C controlled area and the 200 Area 216-S Ditch within a week of the Hanford Site range fire. Over 250 ERC signs were damaged by the range fire.*

*A BHI Technology Applications employee, along with other members of the DOE, Headquarters (HQ) EM-50 (Office of Science and Technology) Core Planning Team were presented with the "President's Award for DOE Environmental Initiative". The award recognized the team for developing a program plan that guides redesign of the DOE Office of Science and Technology to make it more responsive to end-user needs.*

*Through July, the ERC continues to exceed FY00 Small Business socioeconomic contractual goals.*

**Central Plateau:**

*The Groundwater/Vadose Zone (GW/VZ) Integration Project conducted an open project/status meeting, and met with the Oregon Office of Energy and other public interest groups in Portland, Oregon during July. The System Assessment Capability (SAC), Rev. 0 software was assembled and is in the final testing phase.*

*A workshop was held with the Washington Department of Ecology (Ecology), RL, Office of River Protection (ORP), CH2M HILL Hanford Group (CHG), Bechtel Hanford, Inc. (BHI), and Pacific Northwest National Laboratory (PNNL) personnel regarding the future well drilling needs for RCRA groundwater monitoring at the Hanford Site. RCRA waste management areas considered in this first meeting included single shell tank waste management areas S-SX, U, TX-TY, and T (in the 200 West Area) and B-BX-BY (in the 200 East Area).*

*Construction of the In Situ Redox Manipulation (ISRM) evaporation pond was completed in July. Chemical injections were initiated in August. The ISRM project is a technology application designed to prevent contaminated groundwater migration by creating an underground chemical barrier.*

*The regulators approved the waste management plan and the sampling and analysis plan for the 618-11 Burial Ground tritium investigation. Ground penetrating surveys were also initiated.*

*All five groundwater pump and treat systems continued removing contaminants from the groundwater. All operated above cumulative planned availability through July.*

*Phase II deactivation activities are progressing for the old 100 N Area water plant.*

*Material and equipment procurement activities were completed in support of the Redox Facility plutonium loadout hood stabilization effort.*

*During August, the last remaining Canyon Disposition Initiative (CDI) cell was accessed in the U Plant (221-U Building) canyon facility. A total of 38 cells have been accessed. Radiological and visual surveys were also performed in three cells during the month.*

**Green**

# ENVIRONMENTAL RESTORATION PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

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### MAJOR COMMITMENTS:

#### **Tri-Party Agreement Milestones:**

*Fourteen Tri-Party Agreement milestones have been completed through July; 13 ahead of schedule, and one behind schedule.*

Green

<b>Total Tri-Party Agreement Milestones Due in FY00</b>	<b>16</b>
Total Planned Through July	13
Total Completed Through July	14

<b>Remaining Tri-Party Agreement Milestones to be Completed in FY00</b>	<b>2</b>
Forecast Ahead of Schedule	0
Forecast On Schedule	2
Forecast Behind Schedule	0

#### **FY00 Management Commitment Milestones:**

*Transmit Update of the Vadose Zone Science and Technology Roadmap (PBS VZ01) due April 30.*

*Status: Complete. Draft was transmitted to RL on April 28.*

*Install Wells and Initiate Injection of the Barrier for Phase I of the In Situ Redox Groundwater Remediation (PBS ER08) due September 30.*

*Status: Forecasted for completion by September 30. (16-well installation completed on April 24. As of August 22, five out of ten wells have been injected.)*

*Complete the Semi-Annual Groundwater/Vadose Zone Report (December 1999 – March 2000) (PBS VZ01) due May 31.*

*Status: Complete. Final document was transmitted to RL on May 31.*

Green

#### **EM Corporate Performance Measures:**

	<b>DWP FY00</b>	<b>FY00 Mgmt Commitments</b>	<b>Current Baseline</b>	<b>Forecast for FY00</b>	<b>Completed YTD</b>
<b>Waste Site Assessments</b>	121	167	168	168	168
<b>Waste Site Excavations</b>	24	41	42	41	39
<b>Technology Deployments</b>	0	4	4	5	4

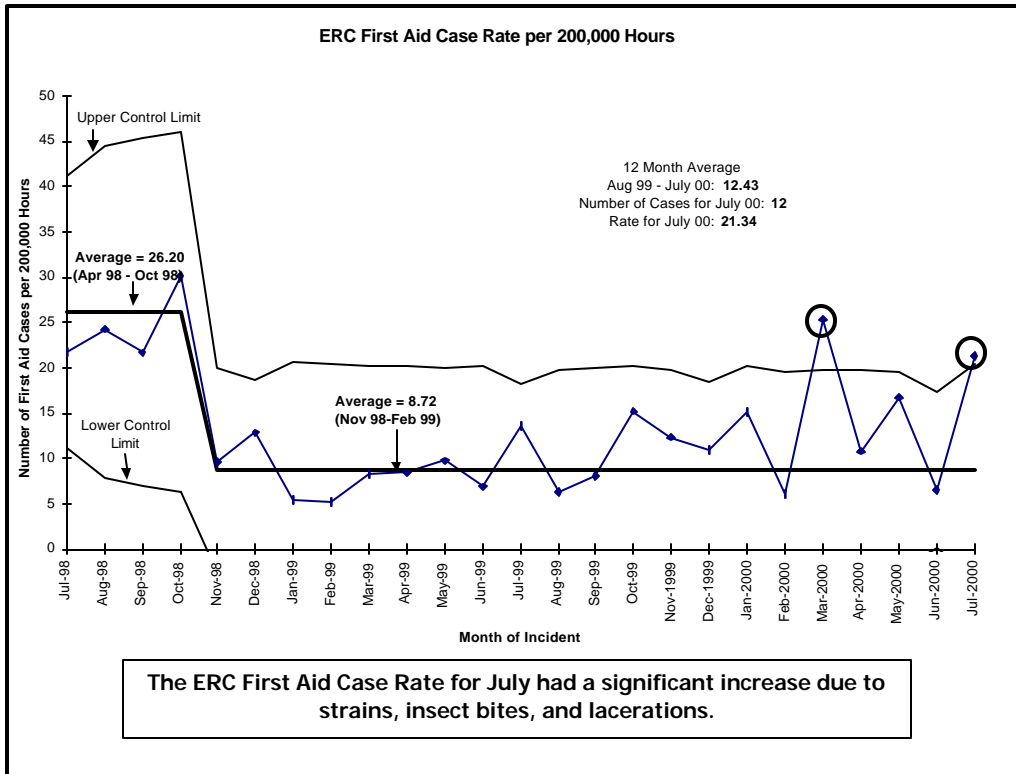
Green

# ENVIRONMENTAL RESTORATION PERFORMANCE REPORT

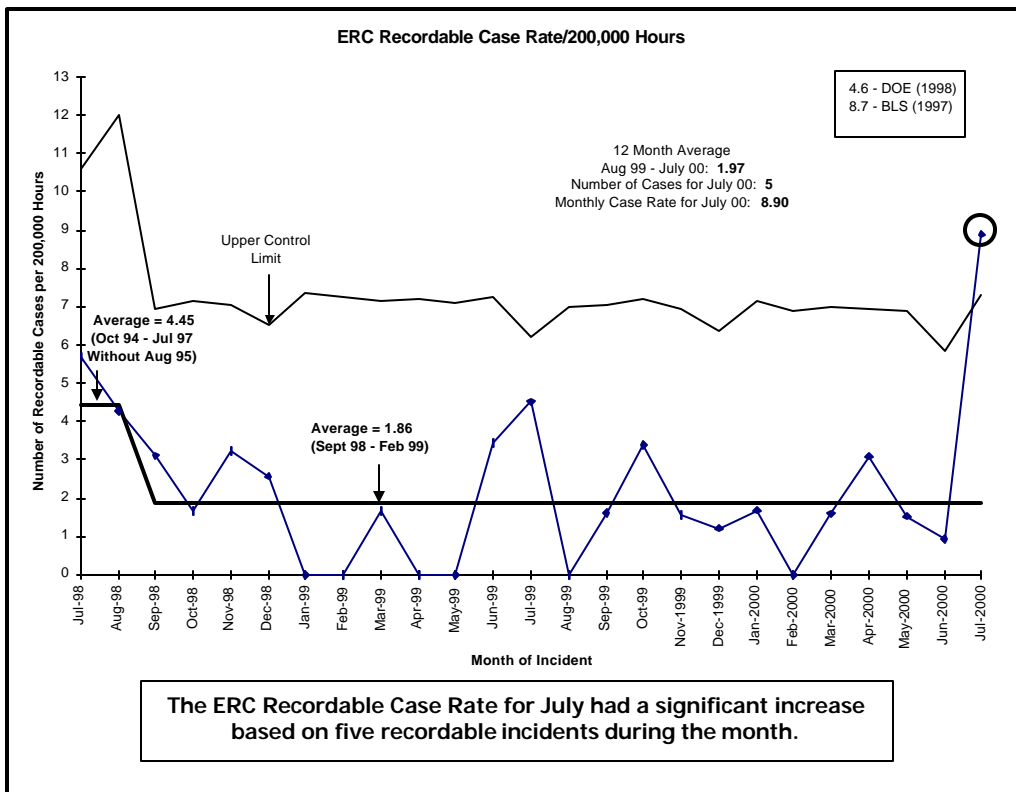
## ENVIRONMENTAL RESTORATION

### SEPTEMBER 2000

#### SAFETY/ISMS/CONDUCT OF OPERATIONS (Total ER Contract):



Yellow



Yellow

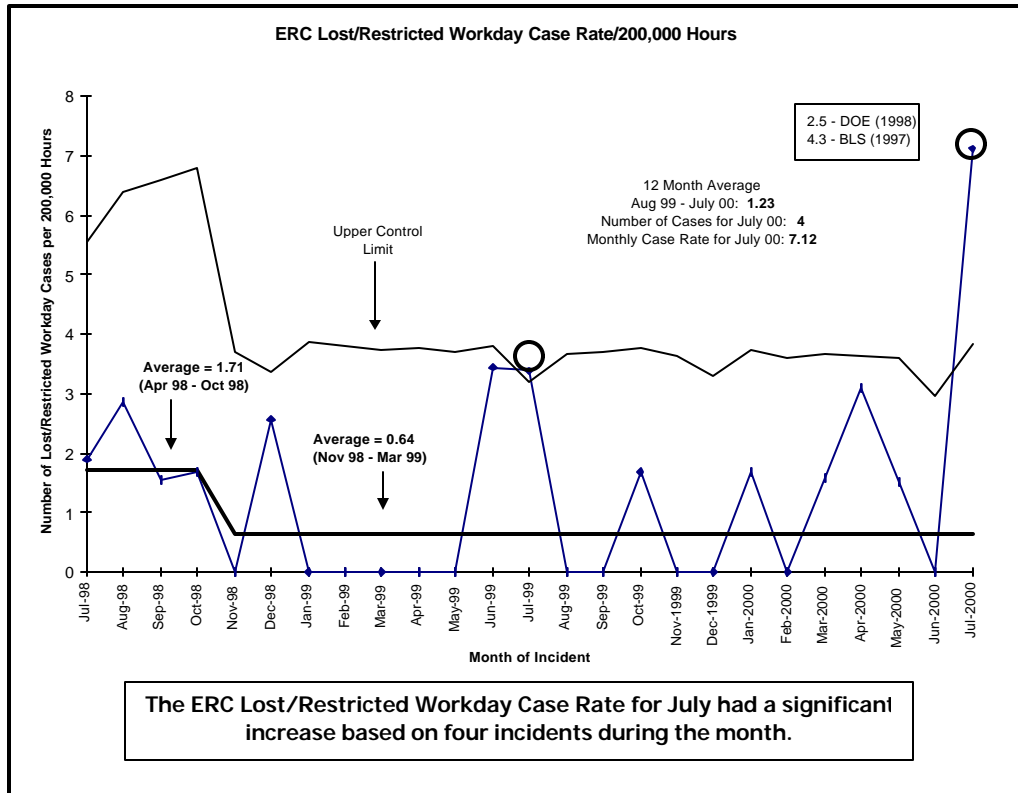


# ENVIRONMENTAL RESTORATION PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

### SEPTEMBER 2000

#### SAFETY/ISMS/CONDUCT OF OPERATIONS (Total ER Contract) continued:



Yellow

Based on the number of incidents incurred during July, ERC management has taken the following actions:

- Incidents were discussed at the President's monthly staff meeting.
- Incidents were discussed at the monthly Operations Team Meetings.
- Initiated a workshop to focus on reducing incidents.
- The topic has been discussed in project plan of the day meetings and functional staff meetings.
- The increase in injuries for July was also discussed in the Voluntary Protection Program (VPP) Leadership Committee meeting. VPP representatives were asked to go back to their project teams and discuss injury prevention.
- Bechtel Hanford, Inc. (BHI) president charged all managers to redouble efforts in understanding the cause of injuries and to inspect workspaces.
- A detailed causal analysis of injuries the ERC has experienced during Calendar Year 2000 has been conducted. As a result of the analysis, an ergonomist from Hanford Environmental Health Foundation (HEHF) has been obtained to review the Remedial Action and Waste Disposal Project repetitive motion operations.

# ENVIRONMENTAL RESTORATION PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

### SEPTEMBER 2000

#### SAFETY/ISMS/CONDUCT OF OPERATIONS (Total ER Contract) continued:

##### Safety:

	YTD	Current Month (July)	Current Month Comments
<b>First Aid</b>	92	12	(3) strains, (1) contusion, (3) stings, (2) irritation to eye, (2) lacerations, (1) pain
<b>OSHA Recordable</b>	15	5 (includes the four below)	(1) Scientist reported receiving a laceration that required sutures while using an X-Acto knife to cut duct tape. No restrictions were applied. Special hooded knives have been ordered to perform this function in the future, and X-Acto knives have been removed.
<b>Restricted Workday Case</b>	8	3	(1) Teamster reported she popped her right shoulder while removing her coveralls. Light duty restriction with right arm applied until August, (1) D&D worker reported lifting an 8-13 foot metal pipe (2 - 2 1/2") diameter to right shoulder and felt sharp stinging sensation in neck and right shoulder area. (1) Teamster reported left wrist popped while tightening shock (bungee) cord on ERDF container.
<b>Lost Workday Case</b>	2	1	(1) Teamster was driving ERDF container truck and was stopped at a stop sign when he was rear-ended by another vehicle. He was treated at Yakima hospital and released to work.

Yellow

The ERC, as of August 19, 2000, reports 117,300 hours since last lost work day incident. The last lost work day incident occurred on July 20, 2000 and became a lost time on July 25, 2000.

**ENVIRONMENTAL RESTORATION PERFORMANCE REPORT**  
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**SAFETY/ISMS/CONDUCT OF OPERATIONS (Total ER Contract) continued:**

**ISMS:**

**DOE EM Performance Agreement:** *Develop and implement Integrated Safety Management (ISM) - September 30, 2000*

Green

**Status:**

- *Continuing our effort on the closure of the multi-discipline action plan. It is scheduled for completion by September 30, 2000. All other actions have been completed.*
- *Continuous improvement and employee awareness of ISMS is ongoing through the ISMS Question of the Day Program and the distribution of ISMS Awareness Badges (over 1000 distributed) and "ISMS=The Way We Do Work" lanyards (over 900 distributed to date) to ERC employees.*
- *The Detailed Work Plan (DWP) for FY 2001 is currently under development. ISMS Program responsibility will be transitioned to the QS&H Department Manager for the next fiscal year.*
- *Two BHI personnel have been temporarily assigned to the RL ISM Opportunities for Improvement Closure Team. This team's purpose is to support RL in the closure of all the Opportunities for Improvement identified in their ISM Verification Report (DOE/RL02000-47) by September 15, 2000.*

# ENVIRONMENTAL RESTORATION PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

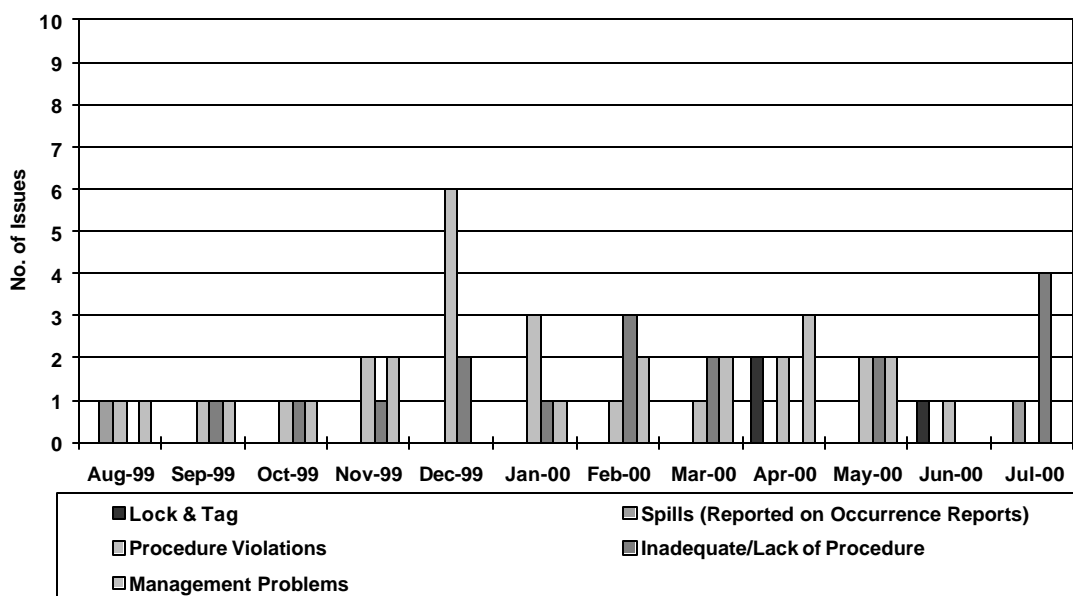
### SEPTEMBER 2000

#### SAFETY/ISMS/CONDUCT OF OPERATIONS (Total ER Contract) continued:

##### Conduct of Ops:

##### ERC-CATS (Corrective Action Tracking System) Trend Data 8/1/99 through 7/31/00

	Aug-99	Sep-99	Oct-99	Nov-99	Dec-99	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00
Lock & Tag	0	0	0	0	0	0	0	0	2	0	1	0
Spills (Reported on Occurrence Reports)	1	0	0	0	0	0	0	0	0	0	0	1
Procedure Violations	1	1	1	2	6	3	1	1	2	2	1	0
Inadequate/Lack of Procedure	0	1	1	1	2	1	3	2	0	2	0	4
Management Problems	1	1	1	2	0	1	2	2	3	2	0	0



Each potential trend is evaluated for impact on the project, and then given the appropriate level of attention based on a graded approach.

##### July Conduct of Ops Issues:

##### **Spills (Reported on Occurrence Reports):**

**Condition Description:** Two sub-tier contractor scrapers collided with each other while performing trench backfilling activities. There were no injuries and only minor damage to the scrapers. The eastbound scraper glanced off the westbound scraper, resulting in dislodging the side-mounted fuel tank. This resulted in a spill of approximately 100 to 150 gallons of diesel fuel to the ground, and exceeds the DOE 232.1A Unusual Occurrence reporting threshold of 100 gallons.

**Corrective Action Plan:** The subcontractor has instituted the following controls to prevent recurrence: (1) The number of heavy equipment in a limited space will be reduced, (2) All heavy equipment operators were directed to maintain a minimum space of 15 ft separation from other equipment.

Green

##### **Inadequate/Lack of Procedure:**

**Condition Description:** Normally inaccessible areas of Powered Air Purifying Respirator (PAPR) belt loops at the Industrial Hygiene Support Facility (MO-426) and 233-S facility were discovered to be contaminated with low level removable alpha activity above the levels of 10 CFR 835, Appendix D.

# ENVIRONMENTAL RESTORATION PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

SEPTEMBER 2000

### SAFETY/ISMS/CONDUCT OF OPERATIONS (Total ER Contract) continued:

**Corrective Action Plan:** 50 PAPR blower units, 5 batteries, and all storage/work areas were surveyed on May 23. No contamination was detected in the survey. Re-surveys will be conducted on periodic basis. The radiological release criteria was evaluated and determined to be adequate. Each project will continue to develop individual radiological controls based upon the scope of the work and the hazards identified. Formal causal analysis conducted with conclusions and corrective actions identified in occurrence report RL--BHI-GNEAREAS-2000-0001.

Green

**Condition Description:** Workers were not trained to the applicable requirement of the latest revision of the implemented ERC procedure (i.e. Procedure 4.3.3, "Powered Air-Purifying Respirators"). The Critique Report for this occurrence noted that Procedure 4.3.3 "was not being followed and the workers may not have known what requirements were in the procedure".

**Corrective Action Plan:** The workers and their management did not know of the procedure change, consequently they could not be trained to it. To address this, BHI has revised procedure BHI-HR-02, Procedure 1.1, ERC Training Program Procedure, to implement changes to the required reading program and specifically identify management responsibilities for training implementation. These changes will set priorities and time requirements for training when procedures involve safety-related issues/equipment. This procedure was revised on July 31.

Green

**Condition Description:** The ERC procedure system does not require personnel to be trained prior to the effective date of procedures.

**Corrective Action Plan:** BHI has revised procedure BHI-HR-02, Procedure 1.1, ERC Training Program Procedure, to implement changes to the required reading program and specifically identify management responsibilities for training implementation. These changes will set priorities and time requirements for training when procedures involve safety-related issues/equipment. This procedure was revised on July 31.

Green

**Condition Description:** BHI-SH-02, Vol. 3, Safety and Health Instructions, Procedure 4.3.3, Rev. 2, "Powered Air-Purifying Respirators" was revised and issued for use without adequate review by Project and Functional Groups that were directly affected by the procedural change (i.e. Field Support, Radiological Controls, and/or Project Management).

**Corrective Action Plan:** Self Assessment (IH-00-08-02) was completed by Thermo Hanford, Inc., on the Industrial Hygiene procedure review process. It was concluded that Rev. 2 of BHI-SH-02, 4.3.3 did receive a review in accordance with BHI-MA-02, 1.3, but the review did not include all affected organizations and was not timely. No other procedure revisions were affected and corrective actions taken by the S&H procedure coordinator are adequate to prevent recurrence.

Green

### REGULATORY/EXTERNAL/DOE-RL & HQ ISSUES AND REQUESTS:

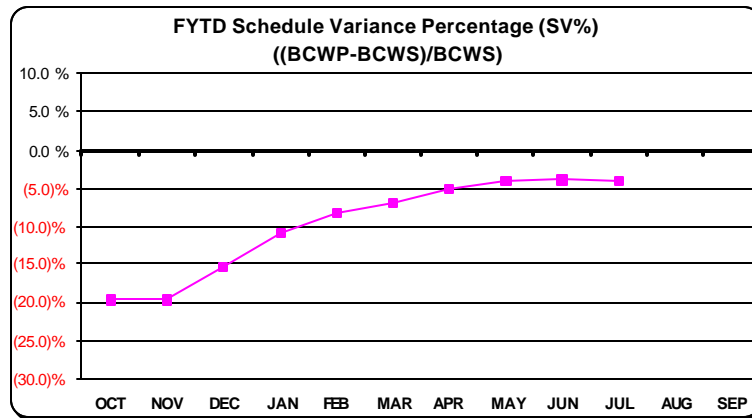
None identified at this time.

# ENVIRONMENTAL RESTORATION PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

### SEPTEMBER 2000

#### TOTAL COST/SCHEDULE OVERVIEW (Total ER Contract):

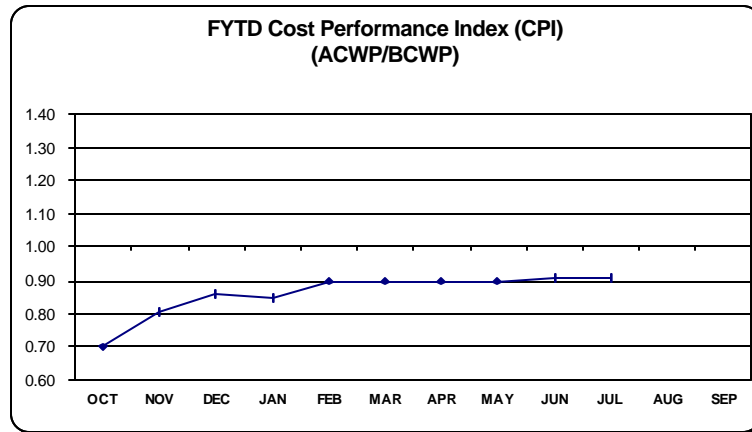


Green

*Desired performance is better than -10%.*

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
DWP	11,612	10,506	10,211	12,760	10,155	10,793	12,259	10,599	10,197	12,389	10,820	12,798
DWP (Accum)	11,612	22,118	32,330	45,090	55,245	66,037	78,296	88,895	99,092	111,481	122,301	135,100
<b>CURRENT PERIOD</b>												
BCWS	14,558	8,508	12,288	15,102	13,068	13,445	15,190	12,158	12,771	12,681	12,577	20,520
BCWP	11,711	6,838	11,396	15,035	13,338	13,352	15,797	12,550	12,497	12,040		
<b>FISCAL YEAR TO DATE</b>												
BCWS	14,558	23,066	35,354	50,456	63,524	76,969	92,159	104,317	117,089	129,769	142,346	162,866
BCWP	11,711	18,550	29,946	44,981	58,320	71,672	87,469	100,019	112,516	124,556		
SV	(2,847)	(4,516)	(5,408)	(5,475)	(5,204)	(5,297)	(4,690)	(4,298)	(4,572)	(5,213)		
SV%	-19.6%	-19.6%	-15.3%	-10.9%	-8.2%	-6.9%	-5.1%	-4.1%	-3.9%	-4.0%		

*For variance explanation by PBS, see Project Status Section of each project.*



Green

*Desired performance is 1.0 or less.*

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	EAC w/ Carry Over
<b>CURRENT PERIOD</b>													
ACWP	8,190	6,786	10,729	12,465	14,171	12,199	14,037	11,240	12,477	10,681			
BCWP	11,711	6,838	11,396	15,035	13,338	13,352	15,797	12,550	12,497	12,040			
<b>FISCAL YEAR TO DATE</b>													
ACWP	8,190	14,976	25,705	38,170	52,341	64,540	78,577	89,817	102,294	112,975			
BCWP	11,711	18,550	29,946	44,981	58,320	71,672	87,469	100,019	112,516	124,556			
CV	3,521	3,574	4,241	6,811	5,979	7,132	8,892	10,202	10,222	11,581			
CPI	0.70	0.81	0.86	0.85	0.90	0.90	0.90	0.90	0.91	0.91			
EAC (Cumulative)	8,190	14,976	25,705	38,170	52,341	64,540	78,577	89,817	102,294	112,975	128,045	145,269	152,188
Yr End Budget Variance	1,967	3,638	4,793	5,074	5,521	5,482	6,206	7,693	8,781	10,679			

*For variance explanation by PBS, see Project Status Section of each project.*

# ENVIRONMENTAL RESTORATION PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

### SEPTEMBER 2000

#### TOTAL COST/SCHEDULE OVERVIEW (Total ER Contract) continued:

#### FY 2000 PERFORMANCE FYTD JULY 2000 (\$K)

	DWP BCWS	CURRENT BCWS	FYTD			YTD SCHEDULE VARIANCE		YTD COST VARIANCE			FY00 EAC
			BCWS	BCWP	ACWP	\$	%	\$	%	CPI	
ER01 100 Area R/A	27,364	29,794	23,926	23,859	19,410	-67	-0.3%	4,448	18.6%	0.81	25,390
ER03 300 Area R/A	3,157	6,707	6,310	6,118	4,734	-192	-3.0%	1,384	22.6%	0.77	5,387
ER04 ER Waste Disposal	16,146	20,705	17,630	17,366	15,467	-264	-1.5%	1,893	10.9%	0.89	18,957
<b>RA-Subtotal</b>	<b>46,667</b>	<b>57,206</b>	<b>47,866</b>	<b>47,343</b>	<b>39,611</b>	<b>-523</b>	<b>-1.1%</b>	<b>7,725</b>	<b>16.3%</b>	<b>0.84</b>	<b>49,734</b>
ER02 200 Area R/A	3,534	3,661	3,491	3,431	2,268	-60	-1.7%	1,163	33.9%	0.66	2,476
ER08 GW Management	19,394	26,051	19,180	17,243	16,761	-1,937	-10.1%	482	2.8%	0.97	25,662
VZ01 GW/VZ	11,325	11,376	9,395	8,473	7,678	-922	-9.8%	795	9.4%	0.91	11,175
<b>GW/VZ-Subtotal</b>	<b>34,253</b>	<b>41,088</b>	<b>32,066</b>	<b>29,147</b>	<b>26,707</b>	<b>-2,919</b>	<b>-9.1%</b>	<b>2,440</b>	<b>8.4%</b>	<b>0.92</b>	<b>39,313</b>
ER06 D&D	8,446	17,125	13,305	13,176	12,700	-129	-1.0%	476	3.6%	0.96	16,716
<b>DD-Subtotal</b>	<b>8,446</b>	<b>17,125</b>	<b>13,305</b>	<b>13,176</b>	<b>12,700</b>	<b>-129</b>	<b>-1.0%</b>	<b>476</b>	<b>3.6%</b>	<b>0.96</b>	<b>16,716</b>
ER05 S&M	12,291	14,668	11,853	11,420	11,082	-433	-3.7%	338	3.0%	0.97	14,430
ER07 Long-Term S&M	47	47	39	47	33	8	20.5%	14	29.8%	0.70	39
<b>S&amp;M-Subtotal</b>	<b>12,338</b>	<b>14,715</b>	<b>11,892</b>	<b>11,467</b>	<b>11,115</b>	<b>-425</b>	<b>-3.6%</b>	<b>352</b>	<b>3.1%</b>	<b>0.97</b>	<b>14,469</b>
ER10 ERC PM&S	27,597	26,904	19,709	19,335	18,716	-374	-1.9%	619	3.2%	0.97	26,127
ER10 RL PM&S	5,800	5,828	4,932	4,089	4,125	-843	-17.1%	-36	-0.9%	1.01	5,828
<b>PM-Subtotal</b>	<b>33,397</b>	<b>32,732</b>	<b>24,641</b>	<b>23,424</b>	<b>22,841</b>	<b>-1,217</b>	<b>-4.9%</b>	<b>583</b>	<b>2.5%</b>	<b>0.98</b>	<b>31,955</b>
<b>GRAND TOTAL</b>	<b>135,101</b>	<b>162,866</b>	<b>129,770</b>	<b>124,557</b>	<b>112,974</b>	<b>-5,213</b>	<b>-4.0%</b>	<b>11,583</b>	<b>9.3%</b>	<b>0.91</b>	<b>152,187</b>

Green

\*CPI = ACWP/BCWP

#### Cost/Schedule Status:

#### **Cost Variance**

At the end of July, the ER Project had performed \$124.6M worth of work, at a cost of \$113.0M. This results in a favorable cost variance of \$11.6M (+9.3%). The positive cost variance is attributed to Environmental Restoration Disposal Facility (ERDF) transportation underruns experienced such as lower subcontract costs on second shift, more efficient asbestos abatement methods utilized (asbestos and piping removed and disposed concurrently), savings in soil sampling and analyses by using local laboratory and on-site resources, site excavation/backfill savings, F Area savings in site preparation and reallocating resources between F and H Areas, savings in Landfill 1A/1B remediation such as less Level B protection required than anticipated, lower contamination levels at DR Reactor Interim Safe Storage (ISS) Fuel Storage Basin (FSB), borehole drilling and test pit trenching costs less than planned due to contractor work execution efficiencies, fewer well maintenance activities due to unresolved waste issues, and FY 1999 year-end accrual reversals.

#### **Schedule Variance**

The ER Project is \$5.2M (-4.0%) behind schedule through July. The negative schedule variance is attributed to delayed GW/VZ Integration Project Science and Technology (S&T) activities, delayed system characterization due to resource availability, delayed groundwater well maintenance due to unresolved waste issues and resin regeneration subcontractor rebid, ISRM material costs budgeted in the early project phase, deferral of the Surveillance and Maintenance (S&M) authorization basis development contract due to a revised implementation strategy (three contractors, rather than one), and late billings for RL site-wide assessments.

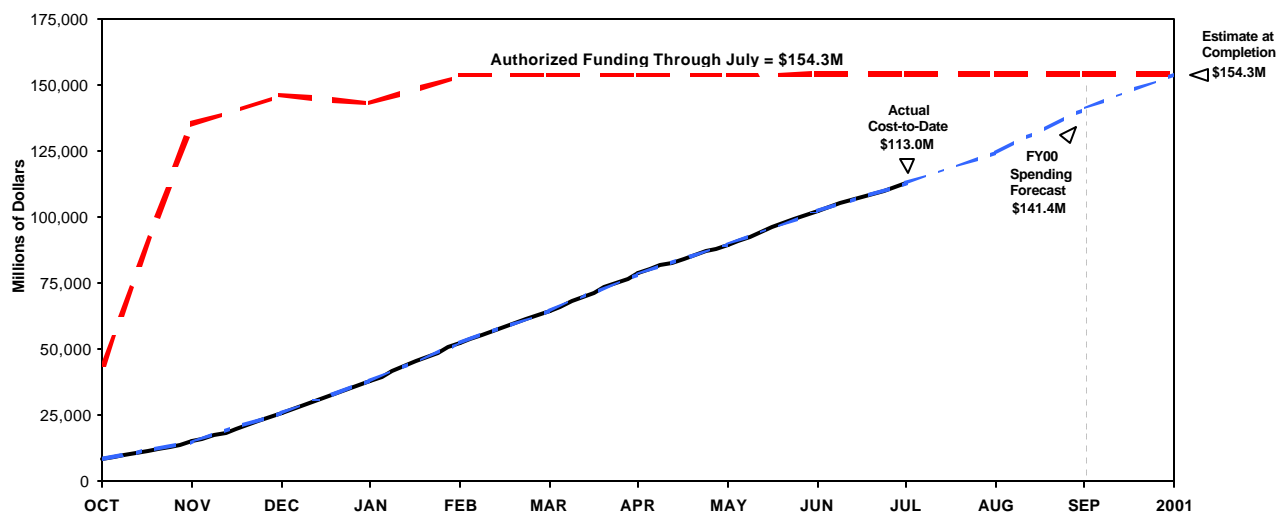
# ENVIRONMENTAL RESTORATION PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

### SEPTEMBER 2000

#### TOTAL COST/SCHEDULE OVERVIEW (Total ER Contract) continued:

#### ER Project Summary FY2000 Funding vs. Forecast Expenditures (EAC)



		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	2001	
	<b>AUTHORIZED FUNDING</b>	43,883	135,226	146,226	143,226	153,806	153,806	153,806	153,806	154,256	154,256	154,256	154,256	Schedule Carryover	EAC TOTAL
	<b>APPROVED SCOPE</b>														
1	Actual Cost	8,190	14,976	25,705	38,170	52,341	64,540	78,577	89,818	102,295	112,975				
2	Current Monthly EACs	8,190	6,786	10,729	12,465	14,171	12,199	14,037	11,241	12,477	10,680	13,805	16,016		
3	Cumulative EAC	8,190	14,976	25,705	38,170	52,341	64,540	78,577	89,818	102,295	112,975	128,045	145,269	9,392	152,188
	<b>AUGUST FY2000 APPROVED BCP'S</b>														
4	ER01/04/10	BCP-20173	Remediation 600-23, J.A. Jones Sites, ERDF Costs, Performance Fee									12	20	1,662	1,694
5	ALL	BCP-20258	Provisional Billing Rate Adjustment									(2,200)	(200)	(177)	(2,577)
6	ER01	RA	BCP-20275	Continue 100 N/F Remedial Action/Scope Deletion								0	(17)	0	(17)
7	ER03	RA	BCP-20274	Fencing Around the So. Process Pond/Remediation of Manhole								0	97	0	97
8	Subtotal Approved Scope Changes											(2,188)	(100)	1,485	(803)
	<b>FY2000 PENDING BCP'S</b>														
9	ER08	GW	BCP-20251	GW Management Scope Deletions								0	(341)	0	(341)
10	ER10	PM	BCP-20257	FY1996 Final Site Rebill for ERC								0	(130)	0	(130)
11	ER10	PM	Allowance for Legal Adjustments									0	1,200	0	1,200
12	ER02	GW	200 Area Assessment									0	0	2,000	2,000
13	VZ01	VZ	BCP-20271	Innovations in Risk Management								0	22	0	22
14	VZ01	VZ	BCP-20273	Intermediate Scale Carbon Tetrachloride Infiltration Experiment								0	50	0	50
15	ER06	DD	Labor Arbitration Effects at 233-S									34	0	0	34
16	ER06	DD	233-S Range Fire Recovery Schedule									36	0	0	36
17	Subtotal August FY2000 Approved BCPs + Pending BCPs											(2,118)	701	3,485	2,068
	<b>Current Monthly EAC + August FY2000 Approved BCP's &amp; Pending BCP's</b>														
18		8,190	6,786	10,729	12,465	14,171	12,199	14,037	11,241	12,477	10,680	11,687	16,717		-
	<b>Cumulative EAC + August FY2000 Approved BCP's &amp; Pending BCP's</b>														
19		8,190	14,976	25,705	38,170	52,341	64,540	78,577	89,818	102,295	112,975	124,662	141,379	12,877	154,256



# ENVIRONMENTAL RESTORATION PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

### SEPTEMBER 2000

PERFORMANCE OBJECTIVES:	
<i>See following individual Project sections.</i>	
KEY INTEGRATION ACTIVITIES:	
<i>None identified at this time.</i>	
UPCOMING PLANNED KEY EVENTS:	
<p><i>Tri-Party Agreement Milestone M-13-23, Submit 200-TW-1 Workplan, due 8/31/00.</i></p> <p><i>Tri-Party Agreement Milestone M-13-24, Submit 200-TW-2 Workplan, due 8/31/00.</i></p> <p><i>Tri-Party Agreement Milestone M-13-25, Submit Uranium Rich Process Waste Group (200-PW-2) Work Plan, due 12/31/00.</i></p> <p><i>Tri-Party Agreement Milestone M-13-00K, Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan, due 12/31/00.</i></p> <p><i>Tri-Party Agreement Milestone M-16-27A, Complete 100-HR-3 Phase I, ISRM Barrier Emplacement, due 12/31/00.</i></p> <p><i>Tri-Party Agreement Milestone M-24-46, Install 2 Additional Wells at SST WMA S-SX, due 12/31/00.</i></p> <p><i>Tri-Party Agreement Milestone M-24-47, Install 4 Additional Wells at SST WMA T, due 12/31/00.</i></p> <p><i>Tri-Party Agreement Milestone M-24-48, Install 4 Additional Wells at SST WMA TX-TY, due 12/31/00.</i></p> <p><i>Tri-Party Agreement Milestone M-24-00L, Install RCRA Groundwater Monitoring Wells Up to 50 in CY 2000, due 12/31/00.</i></p>	<div style="border: 3px double black; padding: 5px; text-align: center;">Green</div>

Richland Operations Office  
Environmental Restoration

# Environmental Management Performance Report

## Section B - River Corridor Information

September 2000

*Restore the  
River Corridor*

- Remedial Action and Waste Disposal Project
- Decommissioning Projects (Interim Safe Storage 233-S, 224B)
- Program Management and Support

***Focused on Progress...***

***Focused on Outcomes!***



**Department of Energy**  
Richland Operations Office



**Bechtel Hanford, Inc.**  
Environmental Restoration Contractor

# **Remedial Action and Waste Disposal Project (RAWD)**

**ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT**  
**ENVIRONMENTAL RESTORATION**  
SEPTEMBER 2000

## SECTION B – RESTORING THE RIVER CORRIDOR

Financial / Performance Measures data as of month-end July.  
All other data as of August 24, 2000 (unless otherwise noted).

### Remedial Action & Waste Disposal Project (RAWDP):

#### ACCOMPLISHMENTS: RAWDP

**Environmental Restoration Disposal Facility (ERDF) Transportation and Operations:**

The first waste from 100-NR-1 remediation was placed in the ERDF during July. Transportation and disposal of this waste were performed in compliance with radiation work permits that were specially written for this waste stream.

Two of the ERDF perimeter air monitors were relocated in order to support operations in the newly opened Cell #4 of the disposal site.

The ERDF staff hosted personnel from the Oak Ridge Environmental Management Waste Management Facility Project the week of July 10 to convey lessons learned from construction and operation of the ERDF.

During July, shipments totaling 44,216 metric tons (48,740 tons) of contaminated waste were transported to the ERDF. 503,662 metric tons (555,195 tons) have been received in FY 2000 (2% less than planned). To date, 2,230,639 metric tons (2,458,871 tons) of material have been received and placed in the disposal facility (1% less than planned).

**100 B/C Area Remediation:** The Request for Proposal (RFP) for 100 B/C Area pipeline remediation was completed on August 23.

**100 D Area Remediation:** Excavation of all known plumes associated with the 100 D Area south pipelines was completed on July 24. Backfill concurrence for two waste sites was received from the regulators.

Excavation of all known plumes for both Group 2 (DR high-priority, near-river sites) and Group 3 (DR small sites near reactors) waste sites has been completed. Backfill operations of the Group 2 waste sites and pipelines resumed on July 24.

Arsenic sampling in 100 D Area was completed, and the samples have been forwarded for analysis.

**100 F Area Remediation:** A letter was transmitted to the regulators declaring completion of Tri-Party Agreement Milestone M-16-13A, "Initiate Remedial Action in the 100-FR-1 Operable Unit". Remediation activities were initiated in the 100 F Area on July 10, twelve weeks before the required date of September 30.

**100 H Area Remediation:** Excavation of contaminated soil at the 100 H Area was completed on July 26. Demobilization activities (removal of frisking test, trailers, equipment, etc.) were initiated.

Closeout verification package (CVP) sampling activities are progressing.

**100 N Area Remediation:** Remedial action began at the 100 N Area on July 21 with the demolition of contaminated cover panels and excavation of material in the 116-N-3 trench. This action meets the requirements in the Hanford Site RCRA permit which mandated remediation to start by the end of July. Remediation will continue for approximately 26 months on the two treatment, storage, and disposal (TSD) trenches and cribs. Extensive dry runs of field operations using noncontaminated material were conducted and evaluated prior to the start of remediation activities, which led to refinement of the work, safety, and As Low as Reasonably Achievable (ALARA) practices.

Green

# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

### SEPTEMBER 2000

#### ACCOMPLISHMENTS continued: RAWD

Meetings and a field walkdown were held with RL Authorization Basis Division staff to discuss issues and approach for completing the Decisional Draft of the 116-N-1 Auditable Safety Analysis/Final Hazard Classification (ASA/FHC) report. Internal review of the 116-N-1/UPR-100-N-31 final design package is nearly complete. Plans are to issue the 100% design package by the end of August.

**100 Burial Ground ROD:** U.S. Environmental Protection Agency (EPA) has prepared the 100 Area Burial Ground Draft Record of Decision (ROD). The ERC will be providing support to EPA on an as-needed basis. EPA is working toward a September 15 completion date.

**300 Area Remediation:** All contaminated soil from remediation of the 300-FF-1 Operable Unit (except 618-4 Burial Ground) has been shipped to ERDF for disposal. The remediation subcontractor is continuing with decontamination of equipment and demobilization.

Second and third amendments were issued to the RFP for treatment of the 618-4 Burial Ground drummed uranium waste, extending the due date to August 15, and addressing technical questions. Bidders requested the additional time to support bench scale testing prior to submitting proposals. Bids were received on August 15 and are being reviewed.

Representatives from EPA visited the 300-FF-1 site to view the uranium drums at the 618-4 Burial Ground and evaluate emergency response plans. Questions were asked about the response to the recent Hanford range fire and reviewed several site documents (Emergency Action Plan, Hazard Assessment, Emergency Response Drill Reports, etc.). Verbally, EPA indicated satisfaction with emergency preparedness at the site. Also, two Government Accountability Project (GAP) representatives visited the 300-FF-1 for the same reason. Site priorities assigned during the fire and emergency response were discussed with the representatives from GAP.

**300 Area Assessment:** The 300-FF-2 Operable Unit Focused Feasibility Study (FFS) and Proposed Plan 30-day public comment period began on July 3 and will be extended through September 5 based on a stakeholder request.

The Data Quality Objectives (DQO) were initiated for 300-FF-2 Operable Unit distribution coefficient (Kd) and Leachability Study. The DQO kickoff meeting was held with the regulators on July 12.

Green

#### SAFETY/ISMS/CONDUCT OF OPERATIONS: RAWD

See Executive Summary.

#### BREAKTHROUGHS/OPPORTUNITIES FOR IMPROVEMENT: RAWD

**Waste Minimization 126-F-1 Ash Pit:** The project deployed two off-the-shelf technologies (geo-probe and sodium iodide detector) to perform in-situ characterization that resulted in 50% reduction in waste site volume. Preliminary cost savings is estimated at \$5M.

**Status:** The "wire-line retrieval" sampling system delivered by a cone penetrometer was deployed during the week of August 1. This Office of Science and Technology funded technology supported part of the close out sampling for the ash-pit.

Green

#### LONG-TERM (6 MONTHS PLUS) IMPORTANT ITEMS: RAWD

**100 Area Burial Grounds:** Approval of the Record of Decision (ROD) is planned for September.

**Status:** Draft ROD for the 100 Area Burial Ground is under review. EPA is working toward a mid-September completion date.

Green

# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

### SEPTEMBER 2000

#### MAJOR COMMITMENTS (FISCAL YEAR PLUS 6 MONTHS): RAWD

- DOE Secretarial:**

None identified at this time.

- DOE EM Performance Agreement:**

None identified at this time.

#### TPA Milestones:

Milestone	Description	Due Date	(F)/(A) Date
<b>M-15-23B</b>	Submit 300-FF-2 Focus Feasibility Study (FFS) and Proposed Plan for Regulator Review	11/30/99	11/22/99 (A)
<b>M-15-00B</b>	Complete all 300 Area Operable Unit Pre-ROD Site Investigations under Approved Work Plan Schedules	12/31/99	11/22/99 (A)
<b>M-16-92B</b>	ERDF Cells 3 & 4 Ready to Accept Remediation Waste	12/31/99	12/09/99 (A)
<b>M-15-00A</b>	Complete all Remaining 100 Area Operable Unit Pre-ROD Site Investigations under Approved Work Plan Schedules (100-KR-2, 100-KR-3, 100-FR-2, 100-IU-2, and 100-IU-6)	12/31/99	12/21/99 (A)
<b>M-16-08B</b>	Complete Remediation and Backfill of 19 Waste Sites in the 100-BC-1 and 100-BC-2 Operable Units as Defined in the Remedial Design Report/Remedial Action Work Plan for the 100 Area	3/31/00	2/25/00(A)
<b>M-16-13A</b>	Initiate Remedial Action for 100-FR-1 Operable Unit	9/29/00	7/10/00 (A)
<b>*M-16-03E</b>	Complete Remediation of the Waste Sites in the 300-FF-1 Operable Unit (excluding the 618-4 Burial Ground), to Include Excavation, Verification, and Backfilling	12/31/00	9/30/01 (F)
<b>**M-16-26E</b>	Complete Remediation, Backfill and Revegetation of 51 Liquid Waste Sites and Process Effluent Pipelines in the 100-BC-1, 100-BC-2, 100-DR-1, 100-DR-2, and 100-HR-1 Operable Units as defined in the Remedial Design Report/Remedial Action Work Plan for the 100 Area (DOE/RL-96-17)	2/28/01	2/25/05 (F)

Green

\*Per regulator recommendations, 300-FF-1 backfill/regrade will be deferred while further evaluation of the uranium cleanup level for the 300-FF-2 OU is determined. A TPA change package has been submitted for approval to change completion date to 9/30/01.

\*\*Unrecoverable due to funding constraints. Resolution needs to be negotiated with the regulators. The path forward is to submit a TPA change package and evaluate out-year funding and priorities. B/C pipeline procurement activities have been initiated. RFP was completed on August 23, with contract award scheduled for early FY 2001.

# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT ENVIRONMENTAL RESTORATION

SEPTEMBER 2000

## MAJOR COMMITMENTS (FISCAL YEAR PLUS 6 MONTHS) continued: RAWD

- **DNFSB Commitment:**  
*None identified at this time.*

## PERFORMANCE OBJECTIVES: RAWD

Outcome	Performance Indicator	Status
<b>Restore the River Corridor for Multiple Uses</b>	<i>100/300 Area waste excavation, disposal and backfill/regrade.</i>	<i>Baseline work is projected to be completed per PI requirements.</i>

Green

## PERFORMANCE MEASURES: RAWD – (River and Plateau)

	DWP FY00	FY00 Mgmt Commitments	Current Baseline (Incl. Baseline Changes)	Forecast For FY00	Completed YTD
<b>Waste Sites</b>	24	41	42	41	39 <sup>b</sup>
<b>100 Area Burial Ground Assessments</b>	0	46	47	47	47 <sup>a</sup>
<b>300-FF-2 Assessments</b>	119	119	119	119	119 <sup>a</sup>
<b>Other Assessments</b>	2	2	2	2	2
<b>Tons</b>	389K	N/A	642K	642K	555K

Green

<sup>a</sup> Proposed Plan, Draft A submittal.

# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT ENVIRONMENTAL RESTORATION

SEPTEMBER 2000

## STRETCH AND SUPERSTRETCH GOALS: RAWD

FY00 RAWD "Stretch" Goals	Scope Dollars (K)	Approved BCPs (K)
<i>Perform Excavation in Unfunded Sites in 100 B/C, HR-1, FR-1, 100, and 300 Area and Plumes:</i>		
(1) Extended Plumes at 316-1 S Pond (BCP-20043)		\$1,202.8K
(2) Additional Plumes at 100-DR (BCP-20050)		\$905.8K
(3) Additional Plumes at 100-HR (BCP-20119)		\$240.3K
(4) Additional Plumes at 100-HR (BCP-20130)		\$425.0K
(5) Additional Plumes at 300-FF (BCP-20113)		\$669.4K
(6) Additional Plumes at 100-DR (BCP-20116)		\$175.2K
(7) Defer Backfill at 100-DR (BCP-20166)		(\$93.2K)
(8) Additional Plumes at 100-DR (BCP-20189)		\$124.9K
(9) Additional Plumes at 100-DR (BCP-20215)		\$101.1K
<b>S/Total Remedial Action Stretch Goals:</b>	<b>\$4,560.0K</b>	<b>\$3,751.2K</b>

Yellow

FY00 RAWD "Superstretch" Goals	Scope Dollars (K)	Approved BCPs (K)
<i>Complete Remediation of 60 Sq. Mi. of Hanford Site:</i>		
(1) Complete Remediation of Hanford Townsite	\$755.0K	\$0.0K
(2) Complete Remediation of JA Jones Pit #1 and 600-23 (300-FF-2)	\$1,500.0K	\$1693.9K
(3) Other Remedial Actions	\$1,395.0K	\$0.0K
<b>S/Total Remedial Action Superstretch Goals:</b>	<b>\$3,650.0K</b>	<b>\$1693.9K</b>

Red

Green

Red

*\*Status: BCP-20270 endorsed by AMEW for \$1,693.9K on August 10.*



# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

SEPTEMBER 2000

**PROJECT STATUS (COST/SCHEDULE/MAJOR BASELINE CHANGE: RAWD)**

- Schedule:**

Remedial Action & Waste Disposal Project	BCWS	BCWP	Variance
	\$K	\$K	\$K
ER01 100 Area Remedial Actions	23,926	23,859	-67
ER03 300 Area Remedial Actions	6,310	6,118	-192
ER04 ER Waste Disposal	17,630	17,366	-264
<b>TOTAL Remedial Actions</b>	<b>47,866</b>	<b>47,343</b>	<b>-523</b>

Green

**PBS-ER01 – 100 Area Remedial Action**

Schedule Variance = **-\$67K; -0.3%** [Last Month: +\$159; +0.8%]

**Cause:** 100-DR north pipeline confirmation sampling behind schedule due to design document preparation delays; started F Area remediation ahead of schedule.

**Resolution:** Confirmation sampling will be carried over for completion in early FY 2001.

**PBS-ER03 – 300 Area Remedial Action**

Schedule Variance = **-\$192; -3.0%** [Last Month: -\$214K; -3.5%]

**Cause:** Procurement package for drum disposal is behind schedule due to additional bid time requested by the bidders. Landfill 1D soil loadout delayed due to variance and waste profile issue.

**Resolution:** None required.

**PBS-ER04 – Environmental Restoration Waste Disposal**

Schedule Variance = **-\$264; -1.5%** [Last Month: +\$34K; +0.2%]

**Cause:** Receipt of waste tons is slightly behind schedule (1.4%).

**Resolution:** None required, work will be completed prior to end of fiscal year.

# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

SEPTEMBER 2000

### PROJECT STATUS (COST/SCHEDULE/MAJOR BASELINE CHANGE continued: RAWD)

• **Cost:**

Remedial Action & Waste Disposal Project	BCWP	ACWP	Variance
	\$K	\$K	\$K
ER01 100 Area Remedial Actions	23,859	19,410	4,449
ER03 300 Area Remedial Actions	6,118	4,734	1,384
ER04 ER Waste Disposal	17,366	15,467	1,899
<b>TOTAL Remedial Actions</b>	<b>47,343</b>	<b>39,611</b>	<b>7,732</b>

Green

**PBS-ER01 – 100 Area Remedial Action**

Cost Variance = **+\$4449K; +18.6%** [Last Month: +\$3720K; +17.5%]

**Cause:** More efficient asbestos abatement methods utilized (asbestos and piping removed and disposed concurrently) in 100 D and H Areas; savings in soil sampling and analyses by using local laboratory and on-site resources; F Area savings in site preparation and reallocating resources between F and H Areas; labor savings on B/C backfill activities; lower costs for 116-N-1 design.

**Resolution:** Savings are being used to perform other remediation work.

**PBS-ER03 – 300 Area Remedial Action**

Cost Variance = **+\$1384K; +22.6%** [Last Month: +\$1487K; +25.0%]

**Cause:** Savings in Landfill 1A/1B remediation such as less Level B protection required than anticipated; FY 1999 accrual reversal in South Process Pond remediation.

**Resolution:** Savings are being used to perform other remediation work.

**PBS-ER04 – Environmental Restoration Waste Disposal**

Cost Variance = **[\$1899K; +10.9%]** [Last Month: +\$1856; +11.7%]

**Cause:** ERDF cover design and construction closeout completed with fewer resources than planned, transportation cost efficiencies from mild winter, and FY 1999 over accrual.

**Resolution:** Savings are being used to perform other remediation work.

### REGULATORY ISSUES: RAWD

**Tri-Party Agreement Milestone M-16-26B:** An out-year milestone, M-16-26B, "Complete Remediation and Backfill of 51 Waste Sites at B/C, DR, and HR, by February 28, 2001," will be missed due to lack of funding for the B/C pipeline remediation.

Green

**Status:** RFP for 100 B/C pipeline remediation was completed on August 23. Based on bid proposals received and negotiations with the regulators, a TPA change package will be prepared.

**Tri-Party Agreement Milestone M-16-26C:** M-16-26C, "Complete Remediation and Backfill of 10 Liquid Waste Sites in the 100-HR-1 Operable Unit, by May 31, 2001," will be missed due to unanticipated elevated arsenic levels encountered during confirmation sampling and verification activities.

Green

# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT ENVIRONMENTAL RESTORATION

SEPTEMBER 2000

## REGULATORY ISSUES continued: RAWD

**Status:** After completing additional arsenic sampling throughout the 100 Areas, Ecology agreed to use the Washington state background value of 20 mg/kg for arsenic. A baseline change proposal (BCP) was approved that addressed this scope change. A draft Tri-Party Agreement change package will be forwarded to RL by the end of September.

**Tri-Party Agreement Milestone M-16-03E:** Regulators are re-evaluating the uranium cleanup level for the 300 Area. The approved 300-FF-1 Record of Decision (ROD) requires residual soil to be below 15 mrem/year in an industrial land use setting. Currently, lower cleanup levels are being explored for protection of groundwater at 300-FF-2. If lower cleanup levels are determined to be appropriate for 300-FF-1, additional excavation will be necessary. This development could jeopardize the scheduled December 31, 2000, completion date for Tri-Party Agreement Milestone M-16-03E, "Complete Remediation of Waste Sites in 300-FF-1 Operable Unit (Excluding the 618-4 Burial Ground) to Include Excavation, Verification, and Backfilling."

Green

**Status:** In accordance with regulator recommendations, backfill/regrade of 300-FF-1 will be deferred until 300-FF-2 negotiations are completed and the uranium cleanup standard is established. A draft Tri-Party Agreement change request changing the completion date to September 30, 2001 is being proposed. Also, based on EPA comments during the DWP reviews in August, 618-4 Burial Ground drum remediation may also be included as part of this change package.

**300 Area Continued Remediation:** The regulators raised a concern that remediation of the 300 Area will not continue through the next fiscal year.

Green

**Status:** Current FY 2001 detailed work planning has the treatment of 230 above ground drums included in the work scope.

## EXTERNAL ISSUES (i.e. HAB, Congress, etc.): RAWD

None identified at this time.

## DOE-RL & HQ ISSUES/REQUESTS (not covered elsewhere): RAWD

None identified at this time.

## INTEGRATION ACTIVITIES: RAWD

None identified at this time.

# **Decommissioning Projects (D&D)**

**ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT  
ENVIRONMENTAL RESTORATION  
SEPTEMBER 2000**

## SECTION B – RESTORING THE RIVER CORRIDOR

**Financial / Performance Measures data as of month-end July.  
All other data as of August 24, 2000 (unless otherwise noted).**

### Decommissioning Projects (D&D)

#### ACCOMPLISHMENTS: *D&D*

**F and DR Reactor ISS:** At DR Reactor, backfill of the gas tunnel was completed on the north side of the reactor. Demolition and loadout of the effluent pipe surrounding the Fuel Storage Basin (FSB) was initiated, after equipment maintenance and repairs were completed.

At F Reactor, the exterior building debris was removed from the east and west sides of the reactor in late July. The combined (Stage I and II) F Reactor FSB Sampling Analysis Plan (SAP) was approved by RL and EPA. EPA also approved the RAWP, Rev. 3, for the FSB. A transfer plan will be developed that defines roles and responsibilities for management of spent nuclear fuel in the event any fuel is discovered during demolition of the F Reactor FSB.

**D and H Reactor ISS:** In July, biological cleanup was completed at H Reactor, and initiated at D Reactor. Using a gamma camera, radiological scoping surveys were also initiated at D Reactor. The surveys are scheduled for completion in September.

**B Reactor:** The FY 2000 Decommissioning Project workscope for B Reactor is complete. Surveillance and maintenance activities will continue.

**233-S Plutonium Concentration Facility Decommissioning Project:** In July, work progressed at the highly contaminated 233-S Plutonium Concentration Facility Decommissioning Project, including the following activities:

- Removal of glovebags from the first floor and L-16 vessel.
- Application of fixative inside the process hood.
- Completion of nondestructive assay for all material removed from the process hood.
- Completion of viewing room localized exhaust installation.
- Completion of hot trench enclosure setup for asbestos and piping removal.

Green

#### SAFETY/ISMS/CONDUCT OF OPERATIONS: *D&D*

See Executive Summary.

#### BREAKTHROUGHS/OPPORTUNITIES FOR IMPROVEMENT: *D&D*

None identified at this time.

#### LONG-TERM (6 MONTHS PLUS) IMPORTANT ITEMS: *D&D*

None identified at this time.

#### MAJOR COMMITMENTS (FISCAL YEAR PLUS 6 MONTHS): *D&D*

- **DOE Secretarial:**  
None identified at this time.

# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

SEPTEMBER 2000

### MAJOR COMMITMENTS (FISCAL YEAR PLUS 6 MONTHS) continued: D&D

- **DOE EM Performance Agreement:**  
None identified at this time.

### (5) MAJOR COMMITMENTS (FISCAL YEAR PLUS 6 MONTHS) continued: D&D

- **TPA Milestones:**

Milestone	Description	Due Date	(F)/(A) Date
*M-93-05	Issue B Reactor Phase II Feasibility Study Engineering Design Report for Public Comment	6/30/00	7/10/00 (A)

Green

\*The B Reactor milestone deliverable was submitted to DOE-RL (PM) on June 27 and delivered to the DOE-RL Office of Regulatory Liaison on June 28 for concurrence and submittal through the remainder of the signature cycle. The document was received by the regulators on July 10, ten days later than the milestone completion date of June 30. An EPA letter received on July 25 documented comments on the content of the document.

**Status:** RL responded to EPA's comments on August 1. The letter reaffirmed RL's commitment to deliver a draft Engineering Evaluation/Cost Analysis (EE/CA) to EPA by January 31, 2001. Support will also be provided with the public comment period and through the approval of the Action Memorandum. EPA concurred that all requirements for TPA Milestone M-93-05 and EPA's comments had been addressed.

- **DNFSB Commitment:**  
None identified at this time.

### PERFORMANCE OBJECTIVES: D&D

Outcome	Performance Indicator	Status
<b>Restore the River Corridor for Multiple Uses</b>	Reactor ISS and preparation of facilities for decommissioning.	Baseline reactor ISS work is projected to be completed per PI requirements.
<b>Transition Central Plateau to Support Long-Term Waste Management</b>	Maintain facilities until D&D (233-S).	All PI work is projected to be completed per PI requirements.
	Maintain facilities until D&D (224B).	All PI requirements completed; balance of performance measure deleted due to suspension of 224B work activities.

Green

# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT ENVIRONMENTAL RESTORATION

SEPTEMBER 2000

## PERFORMANCE MEASURES: D&D

	DWP FY00	FY00 Mgmt. Commitments	Current Baseline (Incl. Baseline Changes)	Forecast For FY00	Completed YTD
<b>Facilities</b>	0	0	4 <sup>b</sup>	4 <sup>b</sup>	3 <sup>c</sup>

Green

<sup>b</sup> 116-D, 116-DR, 119-DR and 108-F

<sup>c</sup> 116-D, 116-DR, 119-DR (108-F Final Report scheduled for 9/00)

## STRETCH AND SUPERSTRETCH GOALS: D&D

FY00 D&D "Superstretch" Goals	Scope Dollars (K)	Approved BCPs (K)
<i>Continue F Reactor Interim Safe Storage (ISS) (BCP-20151)</i>	\$2,000.0K	\$1,490.8K
<i>*Public Access to Hanford Townsite and B Reactor</i>	\$750.0K	\$0.0K
<b>S/Total D&amp;D Superstretch Goals:</b>	<b>\$2,750.0K</b>	<b>\$1,490.8K</b>

Green

Red

*\*Status: Requires funding support outside of ER to execute work, thus not an ER Superstretch.*

## PROJECT STATUS (COST/SCHEDULE/MAJOR BASELINE CHANGE): D&D STOPPED HERE!!!

### • Schedule:

Decommissioning Projects	BCWS	BCWP	Variance
	\$K	\$K	\$K
<b>ER06 Decontamination &amp; Decommissioning</b>	13,305	13,176	-129
<b>Total D&amp;D</b>	<b>13,305</b>	<b>13,176</b>	<b>-129</b>

Green

### **PBS-ER06 – Decontamination and Decommissioning**

Schedule Variance = **-\$129K; -1.0%** [Last Month: -\$120K; -1.0%]

**Cause:** 233-S decommissioning: disposal of duct delayed pending approval of asbestos abatement plan.

**Resolution:** Exhaust duct removal will begin after asbestos abatement plan is approved and fall protection is installed. Fixing of internal contamination is also being coordinated with removal and disposal of roof exhaust duct, which is scheduled for completion in September.

# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

SEPTEMBER 2000

### PROJECT STATUS (COST/SCHEDULE/MAJOR BASELINE CHANGE) continued: D&D

• **Cost:**

Decommissioning Projects	BCWP	ACWP	Variance
	\$K	\$K	\$K
ER06 Decontamination & Decommissioning	13,176	12,700	476
<b>TOTAL D&amp;D</b>	<b>13,176</b>	<b>12,700</b>	<b>476</b>

Green

**PBS-ER06 – Decontamination and Decommissioning**

Cost Variance = +\$476K; +3.6% [Last Month: +\$511K; +4.4%]

**Cause:** F and DR ISS sample analysis cost is significantly lower than expected due to utilizing larger data groups (economies of scale).

**Resolution:** Savings is being used to perform other remediation work.

**Cause:** 233-S – Additional cost to correct airflow and installing electrical upgrades in the viewing room.

**Resolution:** Cost overruns are being trended. Engineering controls have been implemented to resume characterization activities.

**Cause:** Demolition of DR Reactor fuel storage basin underrunning due to lower contamination levels than estimated (estimate based on C Reactor ISS experience.)

**Resolution:** Savings are being used to perform other remediation work.

### REGULATORY ISSUES: D&D

**D and H Reactor Impacts of TPA Milestones:** The acceleration of the reactor ISS projects is no longer consistent with the current M-93 milestones, especially the competitive procurement and renegotiating milestone (M-93-12) for DR.

Green

**Status:** Initial discussions with the regulators have started which should lead to resolution in the near future. This will need to be discussed as part of DOE's 100 Area Acceleration Vision.

**D and H Reactor Engineering Evaluation/Cost Analysis (EE/CA):** The D and H Reactor EE/CA schedule required regulator review to be completed by April 19, to meet the established Detailed Work Plan (DWP) goals and deadlines. EPA has also proposed sending the EE/CA to the EPA National Remedy Review Board located in Washington D.C.

Green

**Status:** BCP approved to split D&H EE/CA into the two documents. Transmitted for DOE/Regulator Review on June 13. Developing new schedule for regulators showing when their involvement is required for the remainder of the fiscal year. Currently working with regulators on accelerated schedule to meet end of year Action Memo to begin work at the start of FY 2001.

**Demolition Equipment:** Demolition equipment (track hoe excavators and shuttle truck) breakdowns continue to cause delays to demolition activities.

Green

**Status:** Issues/impacts presented to the Results Management Team (RMT). Based on information provided, the Field Support organization was directed to prepare a procurement plan for purchase of a new excavator. Procurement is evaluating a path forward for purchase of the equipment.



# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT ENVIRONMENTAL RESTORATION

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<b>EXTERNAL ISSUES (i.e. HAB, Congress, etc.): D&amp;D</b>
<i>None identified at this time.</i>
<b>DOE-RL &amp; HQ ISSUES/REQUESTS (not covered elsewhere): D&amp;D</b>
<i>None identified at this time.</i>
<b>INTEGRATION ACTIVITIES: D&amp;D</b>
<i>None identified at this time.</i>

# **Program Management and Support (PM&S)**

**ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT  
ENVIRONMENTAL RESTORATION  
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## SECTION B – RESTORING THE RIVER CORRIDOR

Financial / Performance Measures data as of month-end July.  
All other data as of August 24, 2000 (unless otherwise noted).

### Program Management & Support (PM&S)

#### ACCOMPLISHMENTS: PM&S

##### COMPLIANCE, QUALITY, SAFETY, AND HEALTH:

**Safety and Health:** The Radiological Controls group supported a DOE complex-wide initiative that investigated potential failures of pressurized fittings in gloveboxes and other systems. This investigation found no affected systems inside ERC control.

The new Radiological Control Manual was issued. Over 100 procedures were updated or verified to comply with the revised 10 Code of Federal Regulations (CFR) 835 regulation (Occupational Radiation Protection).

A revision to the 10 CFR 835 regulation will also require all personnel touring B Reactor to complete General Employee Radiological Training (GERT), effective August 1. This new requirement will impact the ER Project's ability to make the reactor more accessible to the public. A modified version of GERT, specific to B Reactor, was prepared as one of the work-around solutions fast-tracked to enable the August 5 White Bluffs reunion tour to proceed. Several obstacles were overcome in order to accomplish this. The cost of the impact is being assessed as well as long-term solutions.

Emergency reposting of the 100 Area B/C controlled area and the 200 Area 216-S Ditch was accomplished within a week of the Hanford Site range fire. Over 250 ERC signs were damaged by the fire.

A fire protection consultant to the Defense Nuclear Facilities Safety Board (DNFSB) and the site DNFSB representative conducted an extensive review of the RL and contractor fire protection programs. The reviews also included the Hanford Fire Department and the implementation of fire protection controls at most of the Fluor Hanford, Inc. (FH) and Bechtel Hanford, Inc. (BHI) nuclear facilities. Among the issues identified were the lack of RL and contractor program assessments, the amount of field presence by RL fire protection staff, and specific issues with some of the facility fires suppression systems and combustible control programs.

##### PROGRAM AND PROJECT SUPPORT:

**Procurement and Property Management:** The ERC continues to exceed FY 2000 Small Business socioeconomic contractual goals. The percentages for FY 2000 goals, and the actuals as of July, are as follows:

	<u>FY00 Goal</u>	<u>FYTD Actual (July)</u>
Small Business	50.0%	51.0%
Small Disadvantaged Business	6.5%	22.3%
Women-Owned	3.5%	4.8%

Green

# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

### SEPTEMBER 2000

ACCOMPLISHMENTS continued: PM&S	
<p><b><u>ENGINEERING AND TECHNOLOGY:</u></b></p> <p><b>Technology Applications.</b> A BHI Technology Applications employee, along with other members of the HQ EM-50 (Office of Science and Technology) Core Planning Team were presented with the "President's Award for DOE Environmental Initiative". The award recognized the team for developing a program plan that guides redesign of the DOE Office of Science and Technology to make it more responsive to end-user needs.</p> <p>Final drafts were completed for the FY 2001 Science and Technology (S&amp;T) Needs and Technology Insertion Points (TIPS). After review, these documents will be included in the FY01-03 Detailed Work Plan (DWP) for submittal to RL and the regulators.</p> <p><b>Environmental Technologies:</b> Damage caused by the June Hanford Site range fire to the Arid Lands Ecology (ALE) Reserve was assessed. ERC revegetation and mitigation sites were visited to determine initial estimates of damage. The full extent of the fire damage will not be known until next Spring's growing season.</p> <p><b><u>PLANNING AND CONTROLS:</u></b></p> <p><b>Strategic Planning:</b> Strategic planning support was provided to the Hanford Site planning team. The support included development of the 100 Area accelerated study and a combined 100/300 Area study for the river corridor.</p> <p>Detailed Work Plan (DWP): FY 2000 – 2003 Detailed Work Planning efforts are ongoing. BHI/DOE and regulator management reviews were completed on August 17. Comments and actions associated with the meeting are being evaluated and stasured in preparation of the DWP Recap Meeting scheduled for August 29. Currently tracking on schedule to support a September 19 BHI/DOE approval of the DWP.</p>	<div style="border: 3px double black; padding: 5px; display: inline-block;">Green</div>
SAFETY/ISMS/CONDUCT OF OPERATIONS: PM&S	
See Executive Summary.	
BREAKTHROUGHS/OPPORTUNITIES FOR IMPROVMENT: PM&S	
None identified at this time.	
LONG-TERM (6 MONTHS PLUS) IMPORTANT ITEMS: PM&S	
None identified at this time.	
MAJOR COMMITMENTS (FISCAL YEAR PLUS 6 MONTHS): PM&S	
<ul style="list-style-type: none"> <li>• <b>(5A) DOE Secretarial:</b> None identified at this time.</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>(5B) DOE EM Performance Agreement:</b> None identified at this time.</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>TPA Milestones:</b> None identified at this time.</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>DNFSB Commitment:</b> None identified at this time.</li> </ul>	

# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

SEPTEMBER 2000

### PERFORMANCE OBJECTIVES: PM&S

*None identified at this time.*

### PERFORMANCE MEASURES: PM&S

*BHI has identified four technology deployments for FY 2000. A list of planned/committed FY 2000 technology deployments was transmitted to RL on January 27.*

Technology Deployment	PBS	Planned Date	(F)/(A) Date
<b>Small Diameter Geographical Logging System (ROI Funded)</b>	RL-ER01	10/99	10/99 (A)
<b>Liquid-Level Detection Technology (Ultrasonics)</b>	RL-ER05	10/99	10/99 (A)
<b>Remote Concrete Sampling System (Brokk™ with automated concrete coring attachment)</b>	RL-ER05	03/00	08/00 (F) <sup>a</sup>
<b>3-D Visual and Gamma Ray Imaging System</b>	RL-ER05	06/00	07/00 (A) <sup>b</sup>
<b>Liquid-Level Detection Technology (Thermography and/or Ultrasonics)</b>	RL-ER05	09/00	TBD <sup>c</sup>
<b>In Situ Characterization Survey (ISOCS) System</b>	RL-ER05	09/00	07/00 (A) <sup>d</sup>

Green

<sup>a</sup> All cells have been accessed. The Brokk™ equipment has completed acceptance testing and has been moved into the 221-U building.

<sup>b</sup> Equipment procurement delay. Not needed at CDI, but is being used by D&D ISS.

<sup>c</sup> May not be needed. Dependent upon condition of process tanks in the 221-U cells.

<sup>d</sup> This deployment was identified as a planned (not committed) deployment for FY 2000, and is currently being used by D&D ISS.

### STRETCH AND SUPERSTRETCH GOALS: PM&S

*None identified at this time.*

# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT ENVIRONMENTAL RESTORATION

SEPTEMBER 2000

## PROJECT STATUS (COST/SCHEDULE/MAJOR BASELINE CHANGE): PM&S

- Schedule:**

Program Management & Support	BCWS	BCWP	Variance
	\$K	\$K	\$K
ER10 ERC Program Management & Support	19,709	19,355	-374
ER10 RL Program Management & Support	4,932	4,089	-843
<b>TOTAL PM&amp;S</b>	<b>24,641</b>	<b>23,424</b>	<b>-1,217</b>

Green

**PBS-ER10 – Program Management and Support**

Schedule Variance = **-\$1217K; -4.9%** [Last Month: -\$1823K; -8.3%]

**Cause:** Late billing on RL site-wide assessments.

**Resolution:** RL is discussing billing/timing with other site contractors/government agencies.

## PROJECT STATUS (COST/SCHEDULE/MAJOR BASELINE CHANGE) continued: PM&S

- Cost:**

Program Management & Support	BCWP	ACWP	Variance
	\$K	\$K	\$K
ER10 ERC Program Management & Support	19,335	18,716	619
ER10 RL Program Management & Support	4,089	4,125	-36
<b>TOTAL PM&amp;S</b>	<b>23,424</b>	<b>22,841</b>	<b>583</b>

Green

**PBS-ER10 – Program Management and Support**

Cost Variance = **+\$583K; +2.5%** [Last Month: +\$792K; +3.9%]

**Cause:** Fewer special requests and audits have resulted in savings; procurement staff efficiencies, Y2K underruns, reduced revegetation support, baseline management efficiencies, and credit received as result of the FY 1996 final incurred actual rebill cost.

**Resolution:** Savings are being used to perform other remediation work.

## REGULATORY ISSUES: PM&S

None identified at this time.

## EXTERNAL ISSUES (i.e. HAB, Congress, etc.): PM&S

None identified at this time.

## DOE-RL & HQ ISSUES/REQUESTS (not covered elsewhere): PM&S

None identified at this time.

## INTEGRATION ACTIVITIES: PM&S

None identified at this time.

Richland Operations Office  
Environmental Restoration

# Environmental Management Performance Report

## Section C - Central Plateau Information

September 2000

- Groundwater / Vadose Zone Integration Project
- Surveillance / Maintenance & Transition Projects



***Focused on Progress...***  
***Focused on Outcomes!***



**Department of Energy**  
Richland Operations Office



**Bechtel Hanford, Inc.**  
Environmental Restoration Contractor

# **Groundwater/Vadose Zone Integration Project (GW/VZ)**



**ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT  
ENVIRONMENTAL RESTORATION  
SEPTEMBER 2000**

## SECTION C – TRANSITIONING THE CENTRAL PLATEAU

**Financial / Performance Measures data as of month-end July.  
All other data as of August 24, 2000 (unless otherwise noted).**

**Groundwater/Vadose Zone Integration Project(GW/VZ):**

**ACCOMPLISHMENTS: GW/VZ**

**GW/VZ INTEGRATION PROJECT:**

**Public Involvement:** The GW/VZ Integration Project conducted an open project meeting and met with the Oregon Office of Energy and public interest groups in Portland, Oregon regarding project status.

**Science and Technology:** The numerical model was completed for the 100 H Area as part of the Groundwater/River Interface Study.

**System Assessment Capability:** The System Assessment Capability (SAC), Rev. 0 software was assembled and is in the final testing phase.

**GROUNDWATER MANAGEMENT:**

**In Situ Redox Manipulation Project (ISRM):** Construction of the ISRM evaporation pond was completed in July. Chemical injections were initiated in August.

**Long-Term Groundwater Monitoring:** The January-March 2000 RCRA Quarterly Report was completed and transmitted to RL in July.

A workshop was held with the Washington Department of Ecology (Ecology), RL, Office of River Protection (ORP), CH2M HILL Hanford Group (CHG), BHI, and Pacific Northwest National Laboratory (PNNL) personnel regarding the future well drilling needs for RCRA groundwater monitoring at Hanford. RCRA waste management areas considered in this first meeting were single shell tank waste management areas S-SX, U, TX-TY, and T in the 200 West Area and B-BX-BY in the 200 East Area.

**Tritium Investigation:** The regulators approved the waste management plan and the sampling and analysis plan for the 618-11 Burial Ground tritium investigation. Ground penetrating surveys were also initiated.

**Summary of Five Pump and Treat Systems:** All groundwater pump and treat systems operated above planned 90% availability levels through July. Since system inception, the five pump and treat systems have processed over 4.1 billion liters of groundwater, removing 4,392 kilograms of carbon tetrachloride, 182 kilograms of chromium, and 0.854 curies of strontium. Approximately 868 million liters of groundwater have been processed in FY 2000, removing approximately 988 kilograms of carbon tetrachloride, 50 kilograms of chromium, and 0.148 curies of strontium.

**100-HR-3 Pump and Treat System:** Approximately 34.6 million liters of groundwater were processed in July removing approximately 2.6 kilograms of chromium. 241.5 million liters have been processed in FY 2000, with 22.1 kilograms of chromium removed. Approximately 893.2 million liters of groundwater have been processed from inception to date, with 86.3 kilograms of chromium removed.

Green

# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

### SEPTEMBER 2000

#### ACCOMPLISHMENTS continued: GW/VZ

**100-KR-4 Pump and Treat System:** Approximately 23.4 million liters of groundwater were processed in July removing approximately 2.6 kilograms of chromium. 231.9 million liters have been processed in FY 2000, with 27.6 kilograms of chromium removed. Approximately 757.3 million liters of groundwater have been processed from inception to date, with 96.0 kilograms of chromium removed.

**100-NR-2 Pump and Treat System:** Approximately 7.8 million liters of groundwater were processed in July, removing approximately 0.014 curies of strontium. 83.2 million liters have been processed in FY 2000, with 0.148 curies of strontium removed. Approximately 506.2 million liters have been processed from inception to date, with 0.854 curies of strontium removed.

**200-UP-1 Pump and Treat System:** Approximately 9.0 million liters of groundwater were processed in July removing approximately 65.6 million liters in FY 2000. From inception to date, approximately 421.3 million liters have been transported to the Effluent Treatment Facility (ETF) for processing. 343.0 million liters were previously processed prior to utilizing the ETF.

**200-ZP-1 Pump and Treat System:** Approximately 31.2 million liters of groundwater were processed during July, removing 122.5 kilograms of carbon tetrachloride. 245.9 million liters have been processed in FY 2000, with 987.8 kilograms of carbon tetrachloride removed. From inception to date, approximately 1.19 billion liters have been processed, with 4,392 kilograms of carbon tetrachloride removed.

**200-ZP-2 Vapor Extraction System:** The 200-ZP-2 soil vapor extraction system was placed off-line for FY 2000, in order to monitor and evaluate any rebounding of contaminant to static conditions. The resulting data will be used to evaluate the effectiveness of remediation on contaminants within the vadose zone. The passive vapor extraction system (installed in selected vadose zone wells) is performing as designed. Monthly sampling has been implemented. BCP-20246 was approved. DNAPL investigative work has been initiated. Work scheduled for FY 2001.

Green

#### SAFETY/ISMS/CONDUCT OF OPERATIONS: GW/VZ

See Executive Summary.

#### BREAKTHROUGHS/OPPORTUNITIES FOR IMPROVEMENT: GW/VZ

None identified at this time.

#### LONG-TERM (6 MONTHS PLUS) IMPORTANT ITEMS: GW/VZ

None identified at this time.

# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

### SEPTEMBER 2000

#### MAJOR COMMITMENTS (FISCAL YEAR PLUS 6 MONTHS): GW/VZ

- **(5A) DOE Secretarial:**

*Transmit Update of the Vadose Zone Science and Technology Roadmap (PBS VZ01) due April 30.*

Green

**Status:** Complete. Draft was transmitted to RL on April 28.

*Install Wells and Initiate Injection of the Barrier for Phase I of the In Situ REDOX Groundwater Remediation (PBS ER08) due September 30.*

Green

**Status:** Forecasted for completion by September 30. (16-well installations were completed on April 24).

- The evaporation pond was ready on July 31 for use in managing extraction wastes.
- Well injections began on August 1, as scheduled. As of August 22, five out of ten wells have been injected.

*Complete the Semi-Annual Groundwater/Vadose Zone Report (December 1999 – March 2000) (PBS VZ01) due May 31.*

Green

**Status:** Complete. Final document was transmitted to RL on May 31.

- **DOE EM Performance Agreement:**

*None identified at this time.*

**ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT**  
**ENVIRONMENTAL RESTORATION**  
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**MAJOR COMMITMENTS (FISCAL YEAR PLUS 6 MONTHS) continued: GW/VZ**

**TPA Milestones:**

<b>Milestone</b>	<b>Description</b>	<b>Due Date</b>	<b>(F)/(A) Date</b>
<b>M-13-22</b>	Submit U-Pond/Z-Ditches Cooling Water Group Work Plan	12/31/99	12/14/99 (A)
<b>M-24-00K</b>	Install RCRA Groundwater Monitoring Wells at the Rate of up to 50 in Calendar Year 1999 if Required	2/29/00	2/17/00 (A)
<b>M-24-41</b>	Install Three (3) Additional RCRA Wells for the SST WMA S-SX	2/29/00	2/17/00 (A)
<b>M-24-42</b>	Install One (1) Replacement Well for the 216-S-10 Pond	2/29/00	2/17/00 (A)
<b>M-24-43</b>	Install One (1) Additional RCRA Well for the SST WMA TX-TY	2/29/00	2/17/00 (A)
<b>M-24-44</b>	Install One (1) Replacement Well for the 216-B-3 Pond (This is an extension of a CERCLA vadose borehole.)	2/29/00	2/17/00 (A)
<b>M-24-45</b>	Install Two (2) Additional RCRA Wells for the SST WMA B-BX-BY	2/29/00	2/17/00 (A)
<b>M-13-23</b>	Submit 200-TW-1 Work Plan	8/31/00	8/31/00 (F)
<b>M-13-24</b>	Submit 200-TW-2 Work Plan	8/31/00	8/31/00 (F)
<b>M-13-00K</b>	Submit One (1) 200 NPL RI/FS (RFI/CMS) Work Plan	12/31/00	12/31/00 (F)
<b>M-13-25</b>	Submit Uranium Rich Process Waste Group (200-PW-2) Work Plan	12/31/00	12/31/00 (F)
<b>M-24-46</b>	Install two (2) additional wells at SST WMA S-SX	12/31/00	12/31/00 (F)
<b>M-24-47</b>	Install four (4) additional wells at SST WMA T	12/31/00	12/31/00 (F)
<b>M-24-48</b>	Install four (4) additional wells at SST WMA TX-TY	12/31/00	12/31/00 (F)
<b>M-24-00L</b>	Install RCRA Groundwater Monitoring Wells at the Rate of up to 50 in Calendar Year 2000 if Required	12/31/00	12/31/00 (F)
<b>M-16-27A</b>	Complete 100-HR-3 Phase I, ISRM Barrier Emplacement	12/31/00	12/31/00 (F)

**Green**

- **DNFSB Commitment:**  
None identified at this time.

# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

SEPTEMBER 2000

### PERFORMANCE OBJECTIVES: GW/VZ

Outcome	Performance Indicator	Status
<b>Restore the River Corridor for Multiple Uses</b>	<i>Manage groundwater plumes per interim RODs.</i>	<i>Baseline work projected to be completed per PI requirements.</i>
<b>Transition Central Plateau to Support Long-Term Waste Management</b>	<i>Complete system assessment capability.</i>	<i>Baseline work projected to be completed per PI requirements.</i>
	<i>Soil sites assessments.</i>	<i>Baseline work projected to be completed per PI requirements.</i>
	<i>Manage groundwater plumes per interim RODs.</i>	<i>All measures projected to meet PI requirements; all baseline work projected to be completed per PI requirements.</i>

Green

### PERFORMANCE MEASURES: GW/VZ

*None planned in FY 2000.*

### STRETCH AND SUPERSTRETCH GOALS: GW/VZ

FY00 GW/VZ "Stretch" Goals	Scope Dollars (K)	Approved BCPs (K)
<b>*Complete Partitioning of Interwell Treatment at 200-ZP-1 and 200-ZP-2</b>	\$706.0K	\$0K
<b>S/Total GW – Vadose Zone Stretch Goals:</b>	<b>\$706.0K</b>	<b>\$0K</b>

Yellow

*\*Status: BCP-20246 was approved; work has been initiated with expected completion in FY 2001.*

# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT ENVIRONMENTAL RESTORATION

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## STRETCH AND SUPERSTRETCH GOALS continued: GW/VZ

FY00 GW/VZ "Superstretch" Goals	Scope Dollars (K)	Approved BCPs (K)
<i>Provide Permanent Solution for Hanford Groundwater Plumes</i>	\$750.0K	\$0.0K
<i>Complete Remediation of 60 Sq. Mi. of Hanford Site:</i>		
(1) *Decommission 4 wells	\$450.0K	\$104.0K
(2) *Evaluate 300 wells and decommission up to 90	\$900.0K	\$1478.0K
<b>S/Total GW – Vadose Zone Superstretch Goals:</b>	<b>\$2,100.0K</b>	<b>\$1582.0K</b>

Red

Green

*Status: Efficiencies identified. BCPs 20248 and 20185 were endorsed by AMEW on August 10 to administratively verify and decommission wells within the Columbia River Corridor.*

## PROJECT STATUS (COST/SCHEDULE/MAJOR BASELINE CHANGE: GW/VZ)

- Schedule:**

GW/VZ Integration Project	BCWS	BCWP	Variance
	\$K	\$K	\$K
<i>ER02 200 Area Remedial Actions</i>	3,491	3,431	-60
<i>ER08 Groundwater Management</i>	19,180	17,243	-1,937
<i>VZ01 Groundwater/Vadose Zone</i>	9,395	8,473	-922
<b>TOTAL Groundwater</b>	<b>32,066</b>	<b>29,147</b>	<b>-2,919</b>

Green

**PBS-ER02 – 200 Area Remedial Action (Assessment)**

*Schedule Variance = -\$60K; -1.7% [Last Month: -\$118K; -3.5%]*

**Cause:** Miscellaneous assessment work rescheduled, pending RL decision on 200 Area Assessment Strategy.

**Resolution:** None required.

**PBS-ER08 – Groundwater Management**

*Schedule Variance = -\$1937K; -10.1% [Last Month: -\$1460K; -8.1%]*

**Cause:** ISRM injection and withdrawal were scheduled earlier than actual procurement.

**Resolution:** None required; material delivery will support ISRM injection work.

**Cause:** Well maintenance, abandonment, and monitoring behind schedule pending resolution of waste management issues and burial ground boundaries.

**Resolution:** Waste management issues have been resolved; well decommissioning is underway; tritium sample collection scheduled for August; burial ground boundaries resolution pending additional discussion with regulators; full recovery is not expected; carryover forecast.

# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT

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### PROJECT STATUS (COST/SCHEDULE/MAJOR BASELINE CHANGE) continued: GW/VZ

**Cause:** Waste shipments to ERDF and resin regeneration at Pump and Treat units have been delayed due to delays from off-site vendor inspection findings; no significant impact.

**Resolution:** Waste regeneration shipments have been scheduled through FH rather than an off-site vendor.

#### **PBS-VZ01 – Groundwater/Vadose Zone**

Schedule Variance = **-\$922K; -9.8%** [Last Month: -\$450K; -5.6%]

**Cause:** Fiber optic link to PNNL started late due to BCP approval delays.

**Resolution:** None. Work is expected to be completed on schedule.

**Cause:** PNNL resource availability has delayed Characterization of Systems development activity and completion of several system assessment reports.

**Resolution:** Subcontract staff has been added to supplement existing staff, but PNNL technical resources are still not available due to other priority work; projected carryover.

#### • **Cost:**

GW/VZ Integration Project	BCWP	ACWP	Variance
	\$K	\$K	\$K
ER02 200 Area Remedial Actions	3,431	2,268	1,163
ER08 Groundwater Management	17,243	16,761	482
VZ01 Groundwater/Vadose Zone	8,473	7,678	795
<b>TOTAL Groundwater</b>	<b>29,147</b>	<b>26,707</b>	<b>2,440</b>

Green

#### **PBS-ER02 – 200 Area Remedial Action(Assessment)**

Cost Variance = **+\$1163K; +33.9%** [Last Month: +\$964K; +29.8%]

**Cause:** Efficiencies learned in prior work were applied to Gable Mountain and B-Pond test pit trenching, resulting in savings. Borehole drilling was combined with RCRA drilling resulting in cost savings.

**Resolution:** Savings will be used to perform other remediation work.

#### **PBS-ER08 – Groundwater Management**

Cost Variance = **+\$482K; +2.8%** [Last Month: +\$685K; +4.1%]

**Cause:** Underruns in routine well maintenance as some activities were re-planned due to unresolved waste issues; less labor required to initiate work at 100-NR-1 than planned.

**Resolution:** Savings are being used to perform other remediation work.

#### **PBS-VZ01 – Groundwater/Vadose Zone**

Cost Variance = **+\$795K; +9.4%** [Last Month: +\$352K; +4.6%]

# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

### SEPTEMBER 2000

PROJECT STATUS (COST/SCHEDULE/MAJOR BASELINE CHANGE) continued: GW/VZ	
<p><b>Cause:</b> Efficiencies in Science and Technology labor and characterization of systems performed with fewer resources; a \$550K accrual was not entered for July.</p> <p><b>Resolution:</b> Savings are being used to perform other remediation work; accrual error will be corrected in August.</p>	
REGULATORY ISSUES: GW/VZ	
<p><b>Monitoring Wells:</b> Tritium investigation is being conducted near the 618-11 Burial Ground.</p> <p><b>Status:</b> Regulator comments on the Draft A Data Quality Objective (DQO) Report for Phase II efforts were received and incorporated into the Sampling and Analysis Plans (SAPs) for the Phase II sampling effort. It was determined that preparing a Rev. 0 of the DQO Report was not required. The SAPs for re-sampling key groundwater wells near the 618-11 burial ground and for investigating the nature and extent of the 618-11 groundwater plume have been approved by the regulators. Through August 17, the Ground-penetrating Radar (GPR) reconnaissance of the 618-11 site has been completed, the soil vapor sampling locations have been identified, 24 soil vapor sampling ports have been installed with the GeoProbe, and work orders for resampling key groundwater wells near the 618-11 burial ground have been submitted.</p>	<div style="border: 3px double black; padding: 5px; width: 60px; margin: 0 auto;">Green</div>
<p><b>200-ZP-2:</b> Regulatory agencies desire continued operation of the 200-ZP-2 vapor extraction unit (not included in DWP).</p> <p><b>Status:</b> Project personnel met with EPA (Doug Sherwood), to discuss the need to restart ZP-2 pending completion of the cost estimate to perform the Partitioning Interwell Tracer Test (PITT) test in lieu of restarting ZP-2 this fiscal year. Decision has been made to proceed with the drilling to deepen three wells in support of the PITT. Currently reviewing preliminary cost estimate and proposal submitted by potential contractor.</p>	<div style="border: 3px double black; padding: 5px; width: 60px; margin: 0 auto;">Green</div>
<p><b>200 Area Remedial Investigation/Feasibility Study:</b> Approximately 800 contaminated soil sites in the 200 Area, grouped into 23 process-based operable units, are to be characterized by 2008 and remediated by 2018. Currently, an out-year funding allowance of \$2M has been added to the Integration Project for 200 Area characterization work, but this is short of the \$5-6M target required to meet Tri-Party Agreement milestones. A budgetary position toward assessment and cleanup of the 200 Area liquid waste sites is needed for the long term. The regulator position is to submit Tri-Party Agreement change packages for each operable unit work plan, to support enforceability in completing the remedial investigation through the Record of Decision (ROD), based on existing Tri-Party Agreement milestones.</p> <p><b>Status:</b> Tri-Party Agreement change packages for the 200-CW-1, 200-CW-5, and 200-CS-1 Operable Units containing RI/FS interim milestones were approved on August 23. In addition, RL is currently working on ways to revise the existing long-term strategy for prioritizing the 200 Area assessment and remediation activities in conjunction with other site cleanup decisions. RL is also seeking to justify and identify additional funds for characterization. RL has identified \$2.5M and ERC has identified \$2.0M for FY 2001 work scope. The ERC team, in conjunction with RL management, will meet with the regulators to discuss a proposed strategy for initiation of this work.</p>	<div style="border: 3px double black; padding: 5px; width: 60px; margin: 0 auto;">Yellow</div>



# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT

## ENVIRONMENTAL RESTORATION

### SEPTEMBER 2000

REGULATORY ISSUES continued: GW/VZ	
<p><b><u>WASTE MANAGEMENT ISSUES:</u></b></p> <ul style="list-style-type: none"> <li> <p><b>BioSite Notice of Correction:</b> Notice of Correction was received from Ecology on May 26. DOE/BHI response was issued on June 26.</p> <p><b>Status:</b> Requirements include (1) Issue formal notification to Rabanco and City of Richland Landfills (completed), and (2) Designate and ship BioSite waste (135 drums), due end of September.</p> </li> <li> <p><b>Purgewater Secondary Waste Management:</b> Discrepancy in the interpretation of the Purgewater Strategy applicability. Direction given by DOE is to get compliant with all Land disposal restrictions (LDR) requirements.</p> <p><b>Status:</b> Interim phase was initiated and a screening was completed for the potential listed waste codes to be applied. Activities on site will be conducted as planned, with a conservative application of the listed waste codes to the secondary wastes. A long-term resolution has also been accepted by DOE, to conduct a Listed Waste Applicability Assessment to minimize the listed waste codes to be applied on this waste stream. Talks with the regulators have been informal, awaiting the resolution of the Multi Media Investigation (MMI) case.</p> </li> <li> <p><b>200-CW-1 IDW Waste Disposal at ERDF:</b> A request for a contained-in determination was approved for the 200-CW-1 IDW waste by Ecology. Waste had to be removed from site by July 14, as per Ecology approved extension. Waste was shipped to ERDF, with approval from EPA. EPA is not allowing the final disposal of this waste since there is not a CERCLA-type document that covers this waste. The waste was shipped to ERDF as per an approved Waste Control Plan, which is not recognized by EPA as a CERCLA document.</p> <p><b>Status:</b> Waste is staged at ERDF. DOE delivered the Rev. 0 work plan to Ecology for approval on August 15.</p> </li> <li> <p><b>K Basins Well Maintenance Purgewater:</b> Purgewater from a well maintenance activity was discharged to the ground (130 gal and 10 gal). An Unusual Occurrence was filed by FH and the regulators notified of potential breach of the 216 Permit and the Purgewater strategy. Regulatory analysis does not support breach of the 216 Permit requirements, since purgewater management is excluded from the 216 provisions. The Unusual Occurrence was withdrawn.</p> <p><b>Status:</b> A letter from the DOE Contracting Officer's Representative (COR) is being issued to all site contractors providing proper instructions on how to modify purgewater requirements at specific sites. This action will close the issue.</p> </li> </ul>	<div>Green</div> <div>Green</div> <div>Green</div> <div>Green</div>
EXTERNAL ISSUES (i.e. HAB, Congress, etc.): GW/VZ	
None identified at this time.	
DOE-RL & HQ ISSUES/REQUESTS (not covered elsewhere): GW/VZ	
None identified at this time.	
INTEGRATION ACTIVITIES: GW/VZ	
None identified at this time.	

# **Surveillance/Maintenance and Transition Project (SM&T)**

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## SECTION C – TRANSITIONING THE CENTRAL PLATEAU

**Financial / Performance Measures data as of month-end July.  
All other data as of August 24, 2000 (unless otherwise noted).**

### Surveillance/Maintenance & Transition Project (SM&T):

#### ACCOMPLISHMENTS: *SM&T*

**Surveillance and Maintenance:** *S&M activities that were performed in July to ensure inactive facility integrity and safety included the following:*

- *Completion of activities for the REDOX Facility plutonium loadout hood stabilization including material and equipment procurement. Sample boxes in the plutonium hood (202-S gallery) were sealed, and valves and piping were encapsulated.*
- *Continuation of Phase II deactivation activities of the old 100 N Area water plant.*
- *Completion of the KE/KW acid tank stabilization, including cutting and removal of acid pipes and shipping of waste off site.*
- *Completion of the draft Five-Year Long-Term Monitoring Closure Report of the Vegetation Monitoring for the Arid Lands Ecology (ALE) Reserve, North Slope, and Horn Rapids Landfill.*
- *Completion of updates for the Hanford Site air operating permit application. Provided information and comments on the draft permit to reflect B Plant in deactivated state.*
- *Completion of instrument calibrations for B Plant maintenance.*
- *Completion of hazard identification and evaluation verification, internal review, and comment incorporation for the semi-works Auditable Safety Analysis (ASA) update.*
- *Completion of the Radiation Area Remedial Action (RARA) spraying for Knapweed.*

**Canyon Disposition Initiative:** *Unplanned maintenance was required for the U Plant (221-U Building) canyon facility crane. Due to the inoperable crane, the remaining cell could not be accessed until August. Radiological and visual surveys were performed in three cells.*

Green

#### SAFETY/ISMS/CONDUCT OF OPERATIONS: *SM&T*

*See Executive Summary.*

#### BREAKTHROUGHS/OPPORTUNITIES FOR IMPROVEMENT: *SM&T*

*None identified at this time.*

#### LONG-TERM (6 MONTHS PLUS) IMPORTANT ITEMS: *SM&T*

*None identified at this time.*

#### MAJOR COMMITMENTS (FISCAL YEAR PLUS 6 MONTHS): *SM&T*

- **DOE Secretarial:**  
*None identified at this time.*

- **DOE EM Performance Agreement:**  
*None identified at this time.*

# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT ENVIRONMENTAL RESTORATION


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## MAJOR COMMITMENTS (FISCAL YEAR PLUS 6 MONTHS) continued: SM&T

- **TPA Milestones:**  
None identified at this time.

- **DNFSB Commitment:**  
None identified at this time.

## PERFORMANCE OBJECTIVES: SM&T

Outcome	Performance Indicator	Status	
<b>Restore the River Corridor for Multiple Uses</b>	Deactivation and preparation for decommission.	Baseline work is projected to be completed per PI requirements.	
<b>Transition Central Plateau to Support Long-Term Waste Management</b>	Perform S&M/risk reduction on inactive facilities to eliminate/stabilize environmental, human health hazards until D&D; Perform CDI activities.	CDI baseline work projected to be completed per PI requirements. Concrete sampling for CDI impacted by three weeks due to crane problems. BHI is developing and analyzing schedule to determine if PI change request is warranted.	

## PERFORMANCE MEASURES: SM&T

None planned in FY 2000.

## STRETCH AND SUPERSTRETCH GOALS: SM&T

FY00 SM&T "Stretch" Goals	Scope Dollars (K)	Approved BCPs (K)	
<b>Deactivate 183-N Water Treatment Plant (Phase I) (BCP-20111)</b>	\$131.0K	\$131.0K	
<b>Deactivate 183-N Water Treatment Plant (Phase II) (BCP-20175)</b>	\$159.0K	\$159.0K	
<b>Asbestos Abatement &amp; Repairs (100, 200, &amp; 300 Areas)</b>	\$470.0K	\$64.2K	
<b>Complete the CDI Technical Work to Support the Phase III Feasibility Study</b>	\$490.0K	\$0.0K	
<b>S/Total SM&amp;T -Facility Transition Stretch Goals:</b>	<b>\$1,250.0K</b>	<b>\$354.2K</b>	

# ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT ENVIRONMENTAL RESTORATION

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## PROJECT STATUS (COST/SCHEDULE/MAJOR BASELINE CHANGE): SM&T

### • Schedule:

Surveillance/Maintenance & Transition Project	BCWS	BCWP	Variance
	\$K	\$K	\$K
ER05 Surveillance & Maintenance	11,853	11,420	-433
ER07 Long-Term Surveillance & Maintenance	39	47	8
<b>TOTAL SM&amp;T</b>	<b>11,892</b>	<b>11,467</b>	<b>-425</b>

Green

### PBS-ER05 – Surveillance and Maintenance

Schedule Variance = **-\$433K; -3.7%** [Last Month: -\$596K; -5.6%]

**Cause:** New N Reactor water plant installation delayed due to late arrival of skid-mounted unit.

**Resolution:** None; new plant is on line and Phase I deactivation of the old plant is nearly complete.

**Cause:** Subcontract for Authorization Basis development was split into three contracts causing delays in award.

**Resolution:** None; schedule recoverable due to three suppliers.

### PBS-ER07 – Long-Term Surveillance and Maintenance (BCWS \$47K for FY 2000)

Schedule Variance = N/A

### • Cost:

Surveillance/Maintenance & Transition Project	BCWP	ACWP	Variance
	\$K	\$K	\$K
ER05 Surveillance & Maintenance	11,420	11,082	338
ER07 Long-Term Surveillance & Maintenance	47	33	14
<b>TOTAL SM&amp;T</b>	<b>11,467</b>	<b>11,115</b>	<b>352</b>

Green

### PBS-ER05 – Surveillance and Maintenance

Cost Variance = **+\$338K; +3.0%** [Last Month: -\$158K; -1.6%]

**Cause:** Underruns due to the herbicide application and acid tank stabilization.

**Resolution:** Underrun is being utilized for other ER work.

**Cause:** Underruns on B Plant S&M and RARA stabilization from work practice efficiencies.

**Resolution:** Underruns are being utilized for other ER work.

**Cause:** KE/KW legacy waste removal cost overrun; estimate did not account for difficulties encountered.

**Resolution:** Overrun reflected in EAC.

### PBS-ER07 – Long-Term Surveillance and Maintenance (BCWS \$47K for FY 2000)

Cost Variance = N/A

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<b>REGULATORY ISSUES:</b> <i>SM&amp;T</i>
<i>None identified at this time.</i>
<b>EXTERNAL ISSUES (i.e. HAB, Congress, etc.):</b> <i>SM&amp;T</i>
<i>None identified at this time.</i>
<b>DOE-RL &amp; HQ ISSUES/REQUESTS (not covered elsewhere):</b> <i>SM&amp;T</i>
<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p><b>B Plant/PUREX Roof Funding:</b> <i>Ensure funding is provided by Facility Transition Project per MOUs to support roof repair commitments for B Plant and PUREX. Facilities were transitioned to ER with the commitment to fund these repairs from the releasing project.</i></p> <p><b>Status:</b> <i>Based on comments received from the site management board (SMB) meeting held on August 21, a recommendation was made to fund (\$3.5M) to the B Plant/PUREX roof repairs in FY 2001.</i></p> </div> <div style="width: 15%; text-align: center;"> <div style="border: 3px double black; padding: 5px; display: inline-block;">Green</div> </div> </div>
<b>INTEGRATION ACTIVITIES:</b> <i>SM&amp;T</i>
<i>None identified at this time.</i>